



WILLIAM T FUJIOKA
Chief Executive Officer

County of Los Angeles
CHIEF EXECUTIVE OFFICE

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"To Enrich Lives Through Effective And Caring Service"

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November 19, 2013

ADOPTED

BOARD OF SUPERVISORS
COUNTY OF LOS ANGELES

30 November 19, 2013

Sachi A. Hamai
SACHI A. HAMAI
EXECUTIVE OFFICER

The Honorable Board of Supervisors
County of Los Angeles
383 Kenneth Hahn Hall of Administration
500 West Temple Street
Los Angeles, California 90012

Dear Supervisors:

**DEPARTMENT OF PUBLIC WORKS:
SAN FERNANDO HIGH SCHOOL TEEN HEALTH CENTER PROJECT
ADOPT THE MITIGATED NEGATIVE DECLARATION AND MITIGATION MONITORING AND
REPORTING PROGRAM
APPROVE PROJECT BUDGET
APPROVE A JOINT POWERS AGREEMENT
AWARD A DESIGN-BUILD CONTRACT AND
APPROVE RELATED ACTIONS
SPECS. 7148; CAPITAL PROJECT NO. 77152
(THIRD DISTRICT)
(3 VOTES)**

SUBJECT

Approval of the recommended actions will adopt the Mitigated Negative Declaration and the Mitigation Monitoring and Reporting Program, approve the total Project budget, approve a Joint Powers Agreement, award a design-build contract, and approve related actions for the proposed San Fernando High School Teen Health Center Project.

IT IS RECOMMENDED THAT THE BOARD:

1. Consider the Mitigated Negative Declaration for the proposed San Fernando High School Teen Health Center Project together with any comments received during the public review period; find that the Mitigated Negative Declaration reflects the independent judgment and analysis of the Board; adopt the Mitigation Monitoring and Reporting Program, finding that the Mitigation Monitoring and Reporting Program is adequately designed to ensure compliance with the mitigation measures during Project implementation; find on the basis of the whole record before the Board that there is no

substantial evidence that the Project will have a significant effect on the environment; and adopt the Mitigated Negative Declaration.

2. Approve and instruct the Chairman to sign a Joint Powers Agreement between the County of Los Angeles and Los Angeles Unified School District for the development, operation, and use of the San Fernando High School Teen Health Center.
3. Approve the Project budget in the amount of \$6,200,000 for the proposed San Fernando High School Teen Health Center Project, Capital Project No. 77152.
4. Find that the proposed San Fernando High School Teen Health Center Project is necessary to meet the social needs of the population of the County in areas of health and education pursuant to Government Code Section 26227.
5. Find that J.R. Abbott Construction, Inc., is the apparent Lowest Responsive and Responsible Bidder that submitted the most advantageous and best value proposal for design and construction of the proposed San Fernando High School Teen Health Center Project; and authorize the Director of Public Works, or her designee, to execute a design-build contract with J.R. Abbott Construction, Inc., for a contract sum of \$4,078,651 contingent upon receipt of acceptable Faithful Performance and Payment for Labor and Materials Bonds, and evidence of required contractor insurance filed by Abbott Construction, Inc.
6. Approve the implementation of a Local Worker Hiring Program (as described below) for the proposed San Fernando High School Teen Health Center Project, and find that the program furthers a legitimate governmental interest.

PURPOSE/JUSTIFICATION OF RECOMMENDED ACTION

Approval of the recommended actions will adopt the Mitigated Negative Declaration (MND) and related documents, approve the total Project budget, approve the Joint Powers Agreement with Los Angeles Unified School District (LAUSD), award a design-build contract, approve the implementation of a Local Worker Hiring Program (LWHP), and approve related actions for the proposed San Fernando High School Teen Health Center Project (Project).

Background

On November 15, 2011, the Board approved the establishment of the Project using design-build construction as the Project delivery method, and authorized the Chief Executive Office (CEO) to complete the California Environmental Quality Act (CEQA) compliance, negotiate a Joint Powers Agreement with LAUSD, and plan the programming and development of the proposed Project. The proposed Project scope consists of the construction of a new 5,400 square-foot single-story school-based teen health center on a LAUSD-owned site at 11051 North O'Melveny Avenue on the corner of North O'Melveny Avenue and Chamberlain Street in the northeast San Fernando Valley area. The proposed Project will include four medical and two dental examination rooms, four counseling offices, two business offices, an equipment sterilization room, dispensary, laboratory, a nurse's station, and a conference room. This school-based teen health center will provide much needed services, including sports and comprehensive child physicals, chronic disease care (i.e., asthma management), immunizations, mental health counseling, family planning, pregnancy prevention, health counseling, case management, and referrals to specialty care services for students and their dependents from San Fernando High School, Mission Continuation School, and McAlister School.

The Northeast Valley Health Corporation will operate the teen health center under a LAUSD contract.

Joint Powers Agreement

In connection with the proposed Project, it is recommended that the Board approve a 42-year Joint Powers Agreement (JPA) between the County and LAUSD (Attachment C).

The JPA is summarized as follows:

- LAUSD shall grant a license to the County, for \$1 per year, for use of a portion of the LAUSD property located at San Fernando High School as the site of the teen health center.
- LAUSD and the County desire to use the premises for the purpose of constructing and operating an approximately 5,400 square-foot teen health center, and other improvements for provisions of healthcare to the students and their dependents.
- The County, at its sole cost and expense, shall construct and maintain the teen health center in accordance with the construction plans prepared by the County.
- LAUSD students and their dependents at the school may seek health services or treatment at the teen health center in their private, individual capacity, and students at the school shall not be required to go to or appear at the teen health center in connection with their educational programming.

Design-Build Contract Award

On October 17, 2012, a prequalification questionnaire was issued to prequalify and short-list three prospective design-build entities for the proposed Project. On November 7, 2012, completed prequalification questionnaires were received from eight design-build entities. An Evaluation Committee (Committee) comprised of staff from the Department of Public Works (Public Works) and CEO reviewed the prequalification questionnaires, and the following three design-build entities were determined to be the highest ranked: 1) J.R. Abbott Construction, Inc., Sinanian Development, Inc., and Novus Construction. These three design-build entities were requested to submit technical and cost proposals for the Project.

On June 27, 2013, technical and cost proposals were received from the three shortlisted entities. On July 15, 2013, Novus Construction was disqualified for not meeting good faith efforts to meet Community Business Enterprise participation goals specified in Section 6.33 of the RFP. The Committee scored proposals from the two qualified short-listed entities based on the criteria categories outlined in the Request for Proposal (RFP). Sinanian Development, Inc., was determined to be the most advantageous and best value proposer in accordance with provisions of the RFP. On September 16, 2013, Sinanian Development, Inc., submitted a letter requesting withdrawal of their proposal based upon a clerical error, and on September 19, 2013, the County accepted withdrawal of the proposal. Thereafter, we commenced negotiations with the second highest scoring proposer, J.R. Abbott Construction, Inc., in accordance with provisions of the RFP. A summary reflecting the Committee's scoring of the proposals is included in Attachment B.

Public Works negotiated final terms with J.R. Abbott Construction, Inc. and recommends that the Board award and authorize the Director of Public Works, or her designee, to execute the design-build contract for a not-to-exceed contract sum of \$4,078,651 to J.R. Abbott Construction, Inc.

Local Worker Hiring Program

It is recommended that a voluntary LWHP with aspirational goals for construction of the proposed Project be implemented. The proposed program includes the following key elements:

- The design-builder and its subcontractors are required to make a good-faith effort to employ qualified local workers to perform at least 30 percent of the total California craft worker hours.
- "Local residency" is defined with a two tier system: first preference will be given to qualified workers residing within the County in zip codes within a 5-mile radius of the teen health center, and second preference given to qualified workers residing within the County in any zip code having an unemployment rate in excess of 150 percent of unemployment rate for the County as a whole or a zip code containing a Bank Enterprise Area economically distressed community census tract. Thus, the contractor must first make a good faith effort to satisfy the requirement from the local area of "first preference," and failing that, the contractor must make a good faith effort to draw from areas of "second preference."
- The definition of construction labor hours excludes any work performed by workers residing in states other than California.
- The LWHP for the proposed Project does not include a "Disadvantaged Local Worker" component.

Green Building/Sustainable Design Program

Because the proposed Project is below 10,000 square feet, the proposed Project is exempt from the County's Energy and Environmental Policy. However, the proposed Project will be designed and constructed to the current Cal Green building code to optimize energy and water use efficiency, enhance the sustainability of the site, improve indoor environmental quality, and maximize the use and reuse of sustainable and local resources.

Implementation of Strategic Plan Goals

The Countywide Strategic Plan directs the provision of Integrated Services Delivery (Goal 3) by maximizing opportunities to measurably improve client and community outcomes and leverage resources through the continuous integration of health, community, and public safety services.

FISCAL IMPACT/FINANCING

On November 15, 2011, the Board established the San Fernando High School Teen Health Center Project. At that time, we advised that we would return to the Board for approval of the final Project cost along with the recommendation to award a contract to the selected design-build contractor.

The total Project cost, including land acquisition, programming, scoping documents, construction, consultant services, plan check, miscellaneous expenditures, civic art allocation, and County services, is currently estimated at \$6,200,000. The proposed Project is funded by \$6,100,000 of Third District's Capital Project net County cost and \$100,000 of Provisional Financing Uses. Sufficient appropriation is available in the Fiscal Year 2013-14 Capital Project/Refurbishments Budget to fully fund the proposed Project. The Project Schedule and Budget Summary are included in Attachment A.

Operating Budget Impact

The Departments of Health Services and Mental Health anticipate no start-up costs and no operating costs. The facility will be operated by Northeast Valley Health Corporation, a community-based Federally qualified health center entity, under the Operating Agreement with LAUSD.

FACTS AND PROVISIONS/LEGAL REQUIREMENTS

This County Project is sited on LAUSD property within the City of Los Angeles (City). The County has verified with the Los Angeles Department of City Planning that the Project is consistent with the City's planning designations. Although the County is not subject to the requirements of City plans for this specific proposed Project, it is subject to the planning designation and policies of the County. A notice consistent with Government Code Section 65402(b), concerning the proposed construction by the County was sent to the Los Angeles Department of City Planning on September 19, 2012, in order for the City to have an opportunity to comment regarding the consistency of the Project with its general plan. However, the City did not comment.

The JPA will be for a maximum initial term of 42 years from execution of the JPA (or 40 years from completion of construction, whichever is earlier), plus additional 5-year extension terms at the option of LAUSD and the County. In addition, the JPA contains early cancellation provisions that may be exercised by either party or by mutual agreement under specified circumstances and conditions.

The County is authorized to enter into JPA with other public entities pursuant to Government Code, Section 6500, et seq. The JPA and expenditure of funds for the construction of this teen health center is also authorized by Government Code, Section 26227, upon the finding of the Board that this cooperative agreement is necessary to meet the social needs of the population of the County in the area of health and education. A separate JPA for the operation of the teen health center between the County and the operator will not be required. The JPA has been approved as to form by County Counsel (Attachment C).

On June 17, 2008, the Board approved the use of design-build contracting as an alternative to the traditional design-bid-build Project delivery method of construction. The design-build construction contract will be in the form previously reviewed and approved as to form by County Counsel. The recommended contract was solicited on an open-competitive basis.

Pursuant to the Board's Civic Art Policy adopted on December 7, 2004, and revised on December 15, 2009, the Project Budget includes 1 percent of the design and construction costs to be allocated to the Civic Art Special Fund.

ENVIRONMENTAL DOCUMENTATION

An Initial Study was prepared for this proposed Project in compliance with CEQA. The Initial Study identified potentially significant effects of the proposed Project in the following areas: aesthetics, air quality, biological resources, cultural resources, hazards and hazardous materials, noise, and transportation/traffic. However, prior to the release of the proposed MND and Initial Study for public review, revisions to the Project were made or agreed to that would avoid or mitigate the effects to a point where no significant effects would occur. The following is a concise summary:

- **Biological Resources:** To mitigate potential impacts on native birds, prior to construction, biological surveys to document the presence or absence of protected bird nests will be conducted,

and construction will be postponed as necessary to avoid impacts.

- **Cultural Resources:** In the event a previously unrecorded archaeological deposit is encountered during construction, all activity shall cease in the vicinity of the find and redirected elsewhere until a qualified archaeologist/paleontologist can assess the significance of the find and implement appropriate and specified measures on the treatment of the deposits.
- If human remains are discovered, there shall be no further disturbance of the site or nearby areas suspected to overlie human remains until the Department of Coroner has been notified and has examined the remains and other specific measures implemented if the remains are determined to be Native American.
- **Geology and Soils:** Recommendations and design parameters for earthwork, foundations, pavement, and other pertinent geotechnical design considerations formulated during the geotechnical evaluation and provided in the Geoseismic/Geotechnical Study Report shall be implemented during Project design and construction.
- **Noise:** Prior to and during construction, the contractor shall implement noise attenuation measures to reduce exterior noise levels during construction to 70 dBA or less as measured at 50 feet from the active piece of equipment and shall comply with LAUSD requirements at the school site. Construction activities shall be prohibited between the hours of 7:00 p.m. and 7:00 a.m. Monday through Friday, and on weekends or holidays consistent with the Noise Control Ordinance of the Los Angeles County Code.
- The contractor shall provide advance notice of start of construction and shall coordinate with the school principal prior to construction activity in order to schedule high noise producing events to minimize impacts.

The Initial Study and Project revisions determined that there is no substantial evidence, in light of the whole record before the County, that the proposed Project as revised may have a significant effect on the environment. Based on the Initial Study and Project revisions, an MND was prepared for this proposed Project (Attachment D).

Pursuant to the requirements of Section 21092 of CEQA, a public notice was posted on- and off-site in the area where the proposed Project is located, and direct mailings of the Notice of Intent were sent to the owners and occupants of contiguous property within a 500-foot radius.

Also, in accordance with CEQA and the CEQA guidelines, a 30-day public review period for this Initial Study/MND commenced on January 25, 2013, and concluded on February 25, 2013. A meeting with the Mission Hills Neighborhood Council was held on January 7, 2013.

During the public review period, three comment letters were received from public agencies. These letters and responses to each of them are brought to the Board as part of the MND. Comment letters were received from California Office of Planning and Research – State Clearinghouse and Planning Unit, Caltrans, and the Native American Heritage Commission. Responses to the comments are included in Attachment D of the MND and were sent to these agencies pursuant to CEQA.

The location of the documents and other materials constituting the record of the proceedings upon which the Board's decision is based in this matter are filed with the County of Los Angeles Department of Public Works, Project Management Division I, 900 South Fremont Avenue, 5th Floor,

Alhambra, California 91803. The custodian of such documents and materials is the Assistant Deputy Director for Project Management Division I.

The proposed Project is not exempt from payment of a fee to the California Department of Fish and Wildlife pursuant to Section 711.4 of the Fish and Wildlife Code to defray the costs of fish and wildlife protection and management incurred by the California Department of Fish and Wildlife. Upon the Board's adoption of the MND, Public Works will file a Notice of Determination in accordance with Section 21152(a) of the California Public Resources Code and pay the required filing fee of \$2,156.25 and \$75 processing fee to the Registrar-Recorder/County Clerk.

CONTRACTING PROCESS

The RFP and evaluation process were conducted in accordance with the adopted policy for design-build delivery. Each proposal was evaluated, and Sinanian Development, Inc. was determined to be the apparent most advantageous and best value proposer. On September 16, 2013, Sinanian Development, Inc., submitted a letter requesting withdrawal of their proposal based upon a clerical error and on September 19, 2013, the County accepted withdrawal of the proposal. Thereafter, we commenced negotiations with the second highest scoring proposer, J.R. Abbott Construction, Inc., in accordance with provisions of the RFP.

On October 17, 2012, Public Works issued the RFP. The RFP was advertised on the County's "Doing Business with Us" and Public Works "Contract Opportunities" websites. 38 firms downloaded the RFP from either the Internal Services Department or Public Works' website. Eight firms responded to the RFP and all responding firms passed the minimum Part A Prequalification Questionnaire pass/fail requirements. The RFP stated that the three top-ranked prequalified firms would be shortlisted. The Committee composed of staff from Public Works Project Management Division I and II and the CEO evaluated the proposals. The shortlisted prequalified firms consisting of J.R. Abbott Construction, Inc., Novus Construction, and Sinanian Development, Inc. were all invited to submit technical and cost proposals.

On June 27, 2013, three design-build entities submitted a final proposal consisting of a technical submittal and a price proposal. The Committee scored and ranked each proposal based on the requirements and scoring criteria outlined in the RFP. The Committee ranked the proposals based on scoring in seven criteria categories, five of which are specified in the enabling legislation: technical design and construction expertise, life cycle cost analysis, skilled labor force availability, safety record, price, design-build team personnel and organization, and delivery plan. On July 15, 2013, one of the proposers, Novus Construction was disqualified for not meeting good faith efforts to meet Community Business Enterprise participation goals specified in Section 6.33 of the RFP. The two responsive proposals were ranked in order from the highest averaged score to the lowest averaged score.

Sinanian Development, Inc. received the highest averaged score of 832.67 and was determined to be the apparent most advantageous and best value proposer by the Committee in accordance with provisions of the RFP. On September 16, 2013, Sinanian Development, Inc., submitted a letter requesting withdrawal of their proposal based upon a clerical error. The errors identified in the letter were evaluated by Public Works, in consultation with County Counsel, and the withdrawal was accepted. On September 19, 2013, Sinanian Development, Inc., was released from its obligation and we commenced negotiations with the second ranked proposer, J.R. Abbott Construction, Inc., in accordance with provisions of the RFP. The County is not materially damaged by Sinanian Development, Inc.'s withdrawal insofar as J.R. Abbott Construction, Inc.'s proposal is \$1,349 less

than Sinanian Development, Inc.'s cost proposal.

The original highest ranked qualifying proposer, Sinanian Development, Inc., withdrew their proposal, therefore, they have forfeited their entitlement to receive a stipend. The third proposer was disqualified and, in accordance with the RFP criteria, they are not entitled to the stipend.

IMPACT ON CURRENT SERVICES (OR PROJECTS)

Approval of the recommended actions will have no impact on current County services or Projects.

CONCLUSION

Please return one adopted copy of this Board letter to the Chief Executive Office, Facilities and Asset Management Division; the Department of Mental Health; the Department of Health Services; and the Department of Public Works, Project Management Division I.

Respectfully submitted,

A handwritten signature in black ink, appearing to read 'W. T. Fujioka', with a long horizontal line extending to the right.

WILLIAM T FUJIOKA
Chief Executive Officer

WTF:SHK:DJT
SW:CV:rp

Enclosures

c: Executive Office, Board of Supervisors
County Counsel
Arts Commission
Health Services
Internal Services
Mental Health
Public Works

ATTACHMENT A

**DEPARTMENT OF PUBLIC WORKS:
 SAN FERNANDO HIGH SCHOOL TEEN HEALTH CENTER PROJECT
 ADOPT THE MITIGATED NEGATIVE DECLARATION AND MITIGATION
 MONITORING AND REPORTING PROGRAM;
 APPROVE PROJECT BUDGET;
 APPROVE A JOINT POWERS AGREEMENT;
 AWARD A DESIGN-BUILD CONTRACT; AND
 APPROVE RELATED ACTIONS
 SPECS. 7148; CAPITAL PROJECT NO. 77152**

I. PROJECT SCHEDULE

Project Activity	Scheduled Completion Date
Prequalify Design-Build Firms	03/20/13*
Receive Prequalified Design-Build Firms Proposals	06/27/13*
Determination of Successful Design-Build Firm	08/26/13
Board Approval	11/12/13
Notice To Proceed to Design-Builder	11/19/13
Construction Documents/Jurisdictional Approvals	By Design-Builder
Construction Start	By Design-Builder
Construction Substantial Completion	01/01/15
Project Acceptance	05/01/15

* Actual completion date.

II. PROJECT BUDGET SUMMARY

Project Activity	Proposed Project Budget
Land Acquisition	\$ 0
Construction	
Design-Build Contract	\$4,078,651
Design Completion Allowance	0
Job Order Contract	0
Change Orders	448,565
Departmental Crafts	0
Youth Employment	0
Construction Consultants	0
Miscellaneous. Expense	0
Telecomm Equip--Affixed to Building	0
Civic Art Fee	41,305
Other: Utility Connections	45,000
Subtotal	\$4,613,521
Programming/Development	\$ 51,850
Plans and Specifications	\$ 0
Consultant Services	
Site Planning	\$ 63,895
Hazardous Materials	50,000
Geotech/Soils Report, Soils Testing, and Inspection Material Testing	35,000
Material Testing	45,000
Cost Estimating	0
Topographic Surveys	0
Construction Management	0
Construction Administration	0
Environmental (MND/EIR)	52,000
Move Management	0
Equipment Planning	0
Legal: Claims Avoidance	10,000
Other: Mitigation Measures Monitoring	35,000
Subtotal	\$ 290,895
Miscellaneous Expenditures	\$ 10,000
Jurisdictional Review/Plan Check/Permit (Building and Safety)	
County Plan Review	\$ 66,500
DSA Plan Review	28,000
Subtotal	\$ 94,500
County Services	
Code Compliance Inspection Only - DSA	\$ 117,000
Quality Control Inspection (including Code Compliance)	117,000
Design Review	17,260
Design Services	209,222
Contract Administration	131,327
Project Management	485,651
Project Management Support Services	2,600
ISD Job Order Contract Management	0
DPW Job Order Contract Management	0
ISD ITS Communications	0
Project Security	0
Project Technical Support	39,174
ISD Countywide Contract Compliance Section	20,000
County Counsel	0
Subtotal	\$1,139,234
TOTAL	\$6,200,000

November 19, 2013

ATTACHMENT B

**DEPARTMENT OF PUBLIC WORKS:
SAN FERNANDO HIGH SCHOOL TEEN HEALTH CENTER PROJECT
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APPROVE RELATED ACTIONS
SPECS. 7148; CAPITAL PROJECT NO. 77152**

Proposer	Best Value Average Score (Max. Score = 1,000)	Base Price Proposal
J.R. Abbott Construction, Inc.	825	\$4,115,651
Sinanian Development, Inc.	832.67	\$4,117,000/withdrawn

November 19, 2013

ATTACHMENT C

**DEPARTMENT OF PUBLIC WORKS:
SAN FERNANDO HIGH SCHOOL TEEN HEALTH CENTER PROJECT
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SPECS. 7148; CAPITAL PROJECT NO. 77152**

**JOINT POWERS AGREEMENT
(SEE ATTACHED)**

JOINT POWERS AGREEMENT FOR THE DEVELOPMENT, OPERATION AND USE OF
THE SAN FERNANDO TEEN HEALTH CENTER

between

LOS ANGELES UNIFIED SCHOOL DISTRICT,
a school district duly organized and existing
under the laws of the State of California

and

COUNTY OF LOS ANGELES,
a body politic and corporate duly existing
under the laws of State of California

78071

JOINT POWERS AGREEMENT FOR THE DEVELOPMENT, OPERATION AND USE OF
THE SAN FERNANDO TEEN HEALTH CENTER

THIS JOINT POWERS AGREEMENT FOR THE DEVELOPMENT, OPERATION AND USE OF THE SAN FERNANDO TEEN HEALTH CENTER (this "Agreement") is made and entered into as of the 1st day of November, 2013 (the "Execution Date") by and between LOS ANGELES UNIFIED SCHOOL DISTRICT, a school district duly organized and existing under the laws of the State of California ("LAUSD"), and the COUNTY OF LOS ANGELES, a body corporate and politic, duly existing under the laws of the State of California ("County"), with reference to the following facts:

A. LAUSD is the fee owner of that certain real property located at 11133 O'Melveny Avenue in the City of San Fernando, County of Los Angeles, State of California ("LAUSD Property"), site of the existing San Fernando High School (the "School"). LAUSD shall grant a license to the County, for one dollar (\$1.00) per year, for use of a portion of the LAUSD Property (the "Premises") as legally described in Exhibit A, hereto as the site of a teen health center.

B. County has an interest in providing public health services to meet the social needs of the population of the County of Los Angeles, and is experienced in the development, construction, maintenance and operation of public health facilities.

C. LAUSD and County desire to use the Premises for the purpose of constructing and operating thereupon an approximately 5,500 square feet teen health center and certain other improvements (the "Teen Health Center"), as depicted in the "Site Plan" attached hereto as Exhibit B, for provision of health care services to certain LAUSD students.

D. County, at its sole cost and expense, shall design, construct and maintain the Teen Health Center building structure on the Premises, in accordance with the Construction Plans (as hereinafter defined) prepared by County.

E. LAUSD has conducted a competitive bid process to retain the initial, third-party health care provider (the "Initial Provider") to operate the Teen Health Center, pursuant to a separate health care services agreement (the "Operating Agreement for School-Based Health Center") between the Provider and LAUSD. As more particularly described in this Agreement, County shall provide LAUSD, the Initial Provider and any subsequent provider approved in writing by LAUSD (along with the Initial Provider, a "Provider") with a license for the use of the Premises and Teen Health Center during the term of the initial Operating Agreement for School-Based Health Center and any subsequent Operating Agreement for School-Based Health Center.

F. LAUSD students at the School may seek health services or treatment at the Teen Health Center in their private, individual capacity and students at the School shall not be required to go to or appear at the Teen Health Center in connection with the educational programming.

G. LAUSD and County desire to enter into an agreement for the joint exercise of their governmental powers pursuant to California Government Code section 6500, *et seq.*, for the

use, development, maintenance and operation of the Premises and Teen Health Center based on their determination that such use is necessary to meet the social needs of the population of the County of Los Angeles and beneficial to the general public.

NOW THEREFORE, in consideration of mutual covenants, benefits and agreements hereinafter contained, LAUSD and County hereby agree as follows:

ARTICLE I

CONDITIONS PRECEDENT TO EFFECTIVENESS

The effectiveness of this Agreement and County's right and ability to commence construction of any improvements of any kind or nature on the Premises, and all of County's rights hereunder shall be contingent upon the occurrence of all the following (collectively, the "Conditions Precedent"), and LAUSD and County hereby covenant and agree that in the event that such Conditions Precedent have not been satisfied or waived as of May 31, 2014, as the sole and exclusive remedy of the parties hereto, this Agreement shall automatically terminate and neither LAUSD nor County shall have any further obligations under this Agreement.

1.1 County Board Approval. The Board of Supervisors of the County of Los Angeles (the "County Board") shall have, in its sole and absolute discretion, approved the project contemplated by this Agreement, including the approval of the San Fernando Teen Health Center Mitigated Negative Declaration – Final, dated May 2013 prepared pursuant to the California Environmental Quality Act ("CEQA"), and the execution, delivery and consummation of this Agreement.

1.2 School Board Approval. The Board of Education of the Los Angeles Unified School District, in its sole and absolute discretion, shall have approved the project contemplated by this Agreement, approved the adoption of the San Fernando Teen Health Center Mitigated Negative Declaration – Final, dated May 2013 prepared on behalf of the County pursuant to CEQA, and delegated authority for the execution, delivery and consummation of this Agreement.

1.3 Other Approvals. At its sole cost and expense, County shall have obtained and provided evidence to LAUSD of all necessary consents, permits and approvals required by applicable law, rule or regulation in order to consummate the transactions contemplated by this Agreement.

1.4 County Funding Arrangements. County shall have provided evidence satisfactory to LAUSD that all adequate and acceptable funding arrangements have been put in place to undertake and complete the transactions contemplated by this Agreement.

1.5 Operating Agreement for School-Based Health Center. LAUSD shall have entered into the Operating Agreement for School-Based Health Center with the Initial Provider, on terms approved by LAUSD and County and subject to the terms and conditions of this Agreement.

ARTICLE II

THE PREMISES

During the Term and any Extension Term (each as hereinafter defined), the Premises shall at all times be physically separated from the remainder of the LAUSD Property ("School Site") by appropriate fencing. If, at any time, the City of Los Angeles, County or any other governmental entity or agency requires LAUSD to undertake a formal subdivision process in order to subdivide the Premises from the remaining portion of the LAUSD Property (a "Subdivision"), LAUSD and County shall cooperate in all respects to facilitate such Subdivision and all costs and expenses incurred by LAUSD in connection with such Subdivision shall be equally paid by the parties. If LAUSD determines that it desires to subdivide the LAUSD Property, the County shall cooperate in all respects to facilitate such Subdivision; however, all costs and expenses incurred shall be paid solely by LAUSD.

ARTICLE III

USE; ACCESS AND ENTRY

3.1 Use of Premises. Subject to the parties' satisfaction of all Conditions Precedent set forth in Article I above, and subject to all other terms and conditions of this Agreement, (i) LAUSD hereby grants to County a license for use of the Premises ("County License") for the entire Term and any Extension Term (each as hereinafter defined), for one dollar (\$1.00) per year (which rent may be paid in advance), and (ii) during the Term and any Extension Term, County and its consultants, contractors, agents and employees (collectively and individually referred to herein as the "County Representatives") shall have full and exclusive use of and access to the Premises for purposes of Construction (as hereinafter defined), structural maintenance, repair and operation of the Premises, including the Teen Health Center, except that certain limited LAUSD uses may continue to the extent reasonably necessary, namely, access for emergency vehicles through the Staff Parking Lot during sporting events and special events, and pedestrian access and limited vehicular access (such as for floats) through the Staff Parking Lot during special events. No later than December 1 of each year, LAUSD shall provide County and Provider with a schedule of anticipated dates for such uses for the following year, and if necessary, LAUSD, County and Provider shall promptly meet and confer to resolve any scheduling conflicts and any other issues relating to LAUSD's use of the Premises. LAUSD shall provide no less than twenty (20) days' written notice of any scheduling changes during the year and County's consent to such changes shall not be unreasonably withheld, conditioned or delayed.

3.1.1 The School. County acknowledges that the LAUSD Property is an operating school and that the safety, welfare and education of the School students are the highest priorities. County and LAUSD agree and acknowledge that this Agreement for purposes of Construction (as hereinafter defined), maintenance, repair and operation of a Teen Health Center on the Premises is consistent with the operation of the School and does not unreasonably interfere with the ongoing operation of the School, or its students, faculty or staff.

3.1.2 LAUSD Rights. LAUSD reserves the right, upon reasonable notice, to enter the Premises and the Teen Health Center for the purpose of observing Construction (as hereinafter defined), maintenance, repair and operation of the Premises and/or the Teen Health Center. LAUSD shall not unreasonably interfere with the Construction and/or ongoing operation of the Teen Health Center.

3.1.3 Persons With Convictions. County shall not allow any person who has been convicted of any of the offenses set forth in California Education Code Section 44010, as it may be amended, and is employed by or under the direct contractual control of County to enter upon the Premises. A plea or verdict of guilty shall be deemed a conviction irrespective of a subsequent order under the provisions of Penal Code Section 1203.4, as may be amended. LAUSD expressly agrees and acknowledges that this provision does not apply to students of the School who may utilize the services of the Teen Health Center.

3.1.4 Access to School Site; Ownership of School Site Improvements. Should the Construction Plans (as defined in Section 4.3.1, below) include improvements to the adjacent School Site necessitated by the construction of the Teen Health Center on the Premises, including, but not limited to, parking improvements, and security fencing and gating ("School Site Improvements"), LAUSD hereby grants County and its contractors the right to enter upon the School Site for the purpose of constructing such improvements. County shall coordinate with the School Site administrator or designee before any entry onto the School Site by County's employees, agents, or contractors and, if required by LAUSD custom and practice, execute and deliver to LAUSD a reasonable short-form access agreement based on the customary form used for such circumstances by LAUSD. Upon the County's delivery of a certificate of substantial completion from the architect following completion of the School Site Improvements, LAUSD shall assume ownership of said improvements and be solely responsible for their operation, maintenance and repair. The indemnification and insurance provisions of Article 13 shall apply with respect to County's construction of the School Site Improvements and LAUSD's use and ownership of said improvements.

ARTICLE IV

CONSTRUCTION

4.1 Definition of Construction. For purposes of this Agreement, "Construction" shall include, without limitation, (i) design of the Teen Health Center and preparation of drawings, plans and specifications, (ii) demolition and/or renovation of any existing improvements on the Premises, (iii) any necessary preparation and grading of the Premises, (iv) bid procedures and retention of the Architect and Contractor (each as hereinafter defined), (v) retention of all subcontractors, consultants, engineers and other professionals comprising the Construction Team (as hereinafter defined), (vi) construction of the Teen Health Center, and (vii) landscaping of the Premises, all in accordance with this Article IV.

4.2 Project Schedule. Subject to the parties' satisfaction of all Conditions Precedent, County shall make reasonable efforts to adhere to the project schedule set forth in Exhibit C

hereto (the "Project Schedule"), subject to Force Majeure Delays (as hereinafter defined). This Project Schedule specifies target dates by which County will attempt to meet certain milestones, including, without limitation, the outside construction commencement date, and the outside Certificate of Occupancy issuance date for the Teen Health Center.

4.3 Pre-Construction.

4.3.1 Personnel. County, at its sole cost and expense, shall select and hire a design-builder (the "Contractor") that is licensed to do business in the State of California and bonded for an amount no less than the total cost of Construction, which bond shall be in a form substantially similar to that Form of Payment or Performance Bond attached hereto and incorporated herein as Exhibit D. County agrees to cause its Contractor to comply with the applicable provisions of California Labor Code Section 1770, et seq., in its retention of all members of the Construction Team. County agrees that it shall select its Contractor in accordance with all laws, rules and regulations applicable to the selection of a design-builder, and enter into its general design-build contract and any other contracts by competitive bidding to the extent required by applicable law, rules and regulations. County shall cause its Contractor, at County's sole cost and expense, to select and retain an architect(s) (the "Architect") and engineer(s) (the "Engineer") to prepare those certain construction plans, drawings and specifications for the Teen Health Center (the "Construction Plans"). A copy of the conceptual drawings for the Teen Health Center are attached hereto and incorporated herein as Exhibit E; the Construction Plans shall generally conform to such conceptual drawings, and shall be subject to the prior written approval of LAUSD (which shall not be unreasonably withheld with respect to any portion of the Construction Plans which conforms to the conceptual drawings).

4.3.2 Permits. County shall be responsible, at its sole cost and expense, for obtaining all governmental permits, consents and approvals of all plans, specifications, and drawings related to Construction including, without limitation, approvals from the California Division of the State Architect ("DSA"), the California Department of Education, and the California Department of Toxic Substances Control, as applicable. County shall ensure that the Teen Health Center is designed to meet the construction standards of a health clinic (OSHPD 3) according to Title 24 requirements of the California Standard Building Code, and that the Construction is accomplished in compliance with all applicable laws, rules and regulations.

4.3.3 Commencement of Site Preparation Work. County shall provide LAUSD 10 days' written notice before commencing any "Site Preparation" work, which, for purposes hereof, shall only include demolition of existing structures, grading, fencing of the Premises, bringing in jobsite trailers, and all other preparatory work before construction, so LAUSD may post notices of non-responsibility or any other notices which LAUSD deems necessary for its proper protection. County shall obtain all governmental and third-party approvals and permits necessary for such work prior to commencement of such work. If, at any time prior to the substantial completion of the Site Preparation work, County determines, in its reasonable discretion, that the condition of the Premises is either unsuitable for construction of the Teen Health Center or will result in a material increase in the cost of Construction by an amount no less than eight hundred thousand Dollars (\$800,000.00), County may return the Premises to no worse condition than its condition immediately prior to commencement of the Site Preparation

work, excepting replacement of any structures or improvements demolished for the purpose of constructing the Teen Health Center (and shall have no obligation to reinstall any portable structures located on the Premises as of the date hereof which are removed prior to the completion of the Site Preparation work), abandon the Teen Health Center project, and this Agreement shall terminate without any liability of either party solely due to the fact of such early termination (but any rights or obligations of the parties already accrued under this Agreement at or prior to the time of such termination shall survive such termination).

4.3.4 Commencement of Teen Health Center Construction. County acknowledges and agrees that construction of the Teen Health Center shall not commence until LAUSD has received all documentation required by section 4.3.2. County shall provide LAUSD 10 days' written notice after the delivery of all documentation required by section 4.3.2 before commencing construction of the Teen Health Center or delivering materials to the Premises so LAUSD may post notices of non-responsibility or any other notices which LAUSD deems necessary for its proper protection.

4.3.5 No LAUSD Liability. LAUSD shall not be the guarantor of, nor responsible for, the correctness or accuracy of the Construction Plans or the compliance thereof with applicable laws, rules or regulations. LAUSD shall incur no liability of any kind by reason of the County's Construction, maintenance, repair or operation of the Teen Health Center on the Premises.

4.4 Construction.

4.4.1 Construction by County. County, through its Construction Team, shall undertake Construction at its sole cost and expense. County shall conduct and shall cause the Construction Team to conduct all work with respect to Construction in a good and workmanlike manner by properly qualified personnel, and such work shall be diligently prosecuted to completion once commenced. County shall ensure that Construction shall at all times comply with all applicable laws, rules and regulations.

4.4.2 Changes During Construction. The parties acknowledge that the Construction Plans may require changes during Construction due to changes in applicable law or due to unforeseen circumstances. In the event of a material change to the Construction Plans due to changes in applicable law or unforeseen circumstances, County shall promptly deliver written notice to LAUSD describing in reasonable detail the material change in the Construction Plans, and the prior written approval of LAUSD shall be required for such change, which approval shall not be unreasonably withheld. For purposes of this Section 4.4.2, any change shall be deemed to be "material" if such change affects any structural component or building system of the Teen Health Center, or is reasonably estimated to cost in excess of \$25,000. LAUSD's prior written approval (in its reasonable discretion) shall also be required for any change to the Construction Plans desired during Construction for any reason other than a change in applicable law or due to unforeseen circumstances.

4.4.3 Notification. LAUSD shall have the right, upon reasonable notice to County, to observe the Construction at any time during the progress thereof. If LAUSD shall

give notice to County that any aspect of Construction is in deviation from the Construction Plans or any applicable law, rule or regulation (without prior written approval of such deviation from LAUSD), and the County concurs in its reasonable discretion, County shall cause the Contractor to promptly make corrections.

4.4.4 Insurance. At all times during Construction and until Completion of Construction (as hereinafter defined), County shall cause its contractor to, at its sole cost and expense, provide and keep in force (i) "all risks" builder's risk insurance, including vandalism and malicious mischief, covering the full replacement value of all improvements in place and all material and equipment at the job site, and (ii) evidence of workers' compensation insurance covering all persons employed in connection with the work in compliance with all applicable laws, rules and regulations, such insurance to remain in full force and effect until such improvements have been completed and fully insured in accordance with Section 13.1 hereof. Prior to commencing any Site Preparation (as defined above) or construction of the Teen Health Center or delivering any materials to the Premises, County shall cause its contractor to provide LAUSD with copies of certificates of such insurance in form and content acceptable to LAUSD in its reasonable discretion. All policies held by or on behalf of County shall be issued by reputable insurance companies licensed to issue such policies in California, and shall name LAUSD as an additional insured, and shall provide that they may not be cancelled or reduced in amount or scope by the insurer or be terminated or lapse of their own accord or by their own terms until at least 30 days after service by registered or certified mail of notice of the proposed cancellation or reduction upon all parties named in such policies as insureds (except for nonpayment of premium cancellation which shall not take effect until at least 10 days after service by registered or certified mail of notice to all insureds). All insurance required to be carried pursuant to this section shall contain a provision that no act or omission of County or its contractor shall affect or limit the obligation of the insurance company to pay the amount of any loss sustained. All such policies shall contain language to the effect that any loss shall be payable notwithstanding any act or negligence of LAUSD that otherwise might result in the forfeiture of the insurance. During the Construction of the Teen Health Center, County shall cause its contractor to require the contractor's subcontractors to obtain and maintain customary types and amounts of insurance in connection with the work by such subcontractors on the Teen Health Center.

4.4.5 Inspection. An inspector of record approved by DSA (and who also satisfies any requirements of the Field Act and OSHPD 3, if desired by LAUSD) (the "DSA Inspector") may be retained by LAUSD, at County's sole cost and expense, to inspect and/or supervise Construction for compliance with applicable DSA rules and regulations (and with the requirements of the Field Act and OSHPD 3, if desired by LAUSD). The DSA Inspector shall be permitted access to the Premises at all times during Construction, which access shall be coordinated between the DSA Inspector and the Construction Team. If LAUSD or the DSA Inspector shall give notice to County that any aspect of Construction is in deviation from the Construction Plans or any applicable law, rule or regulation (without prior written approval of such deviation from LAUSD), County shall cause the Construction Team to promptly make corrections. Neither the DSA's right to make such inspections, nor the making of such inspections by the DSA Inspector, shall operate as a waiver of any rights of LAUSD to require

that Construction be executed in a good and workmanlike manner in accordance with the Construction Plans, any applicable law, rule or regulation and this Agreement.

4.4.6 Substantial Completion of Construction. Upon Substantial Completion of Construction, County shall notify LAUSD of the Substantial Completion. "Substantial Completion" shall mean that the Teen Health Center is physically and functionally complete, in accordance with the Construction Plans and change notices and all applicable laws, rules and regulations, except for a punch list of customary items that are unfinished, deficient or require correction in order to fully conform to the Construction Plans and applicable laws, rules and regulations (the "Punch List Items").

4.4.7 Completion of Construction. Upon completion of the Punch List Items and any other remaining Construction, County shall provide written notice to LAUSD and LAUSD may participate in a walk through of the Teen Health Center upon its completion. Completion of the Teen Health Center includes the satisfaction of the following conditions: (i) the Teen Health Center is physically and functionally complete to be occupied and utilized in accordance with the terms of this Agreement; (ii) all Punch List Items have been successfully completed; (iii) all startup and testing of all mechanical, heating, ventilating, air conditioning, electrical, plumbing and fire protection systems have been successfully completed; (iv) the Teen Health Center is safe for public use and free from hazardous conditions; and (v) all governmental agencies having appropriate jurisdiction have issued a certificate of occupancy or its equivalent which includes final approval of all aspects of the Teen Health Center, including any and all fire, life and safety components (collectively, "Completion of Construction").

4.4.7.1 No LAUSD Liability. LAUSD shall not be the guarantor of, nor responsible for, Construction or the Teen Health Center as completed, or the compliance thereof with any applicable laws, rules or regulations, and LAUSD shall incur no liability of any kind by reason of the construction of the Teen Health Center.

4.4.7.2 Notice of Completion. Within 90 days after Completion of Construction, County shall cause a Notice of Completion to be recorded in the office of the Recorder of Los Angeles County in accordance with Section 3093 of the Civil Code of the State of California or any successor statute, and shall furnish LAUSD a copy thereof upon recordation.

4.4.7.3 Copy of Record Set of Plans. Upon Completion of Construction, County shall cause the Contractor (i) to update all construction documents as necessary to reflect all changes made to the construction documents during the course of Construction, and (ii) to deliver to LAUSD two (2) sets of copies of such record-set of drawings within ninety (90) days following issuance of a certificate of occupancy or its equivalent. County shall also deliver to LAUSD a copy of all warranties, guaranties, operating manuals and information relating to the Teen Health Center, and all improvements, equipment and systems therein, as well as a listing of all furniture, fixtures and equipment initially installed by County at the Teen Health Center. LAUSD shall provide one set of documents to the Provider.

ARTICLE V

OWNERSHIP OF THE TEEN HEALTH CENTER

During the Term and any Extension Term (each as hereinafter defined), the Teen Health Center shall be owned by County, and shall in no way be owned by or deemed a school facility of LAUSD; provided, however, that fee title to the Premises shall at all times remain with LAUSD, with County as the licensee of the Premises during the Term and any Extension Term.

ARTICLE VI

MAINTENANCE AND REPAIR; ADDITIONS AND ALTERATIONS

6.1 Maintenance and Repair.

6.1.1 LAUSD's Maintenance and Repair Obligations. LAUSD shall not be required or obligated to do any maintenance or to make any repairs, changes, alterations, additions, improvements or replacements of any nature whatsoever in, on or about the Teen Health Center or the Premises at any time during the Term and any Extension Term (each as hereinafter defined). Nothing contained herein shall be construed as requiring LAUSD to make any repairs or to do any maintenance necessitated by reason of the act or omission of County or anyone claiming under County, or by reason of the failure of County, to observe or perform any conditions, covenants or agreements contained in this Agreement, or by reason of any damage to or destruction of other property caused by any improvements, alterations or additions made by County or anyone claiming through County.

6.1.2 County's Structural Maintenance and Repair Obligations. At all times during the Term and any Extension Term (each as hereinafter defined), County shall, at its sole cost and expense, and without cost to LAUSD, keep and maintain the structure of the Teen Health Center and the Premises in the manner required herein. The parties agree and acknowledge that the County's structural maintenance obligations for the Teen Health Center shall be limited to the roof, exterior walls, load-bearing interior walls, foundations, exterior fixtures, fences, driveways, parking areas, and sidewalks located in, on or adjacent to the Teen Health Center and on the Premises. County agrees to maintain the structure of the Teen Health Center and Premises in good condition and repair and in compliance with all applicable laws, rules and regulations. Subject to Section 6.2 below, County shall, at its sole cost and expense, make any and all structural additions, alterations, renewals, replacements and repairs to the Teen Health Center which may be required by and shall otherwise observe and comply with, all applicable laws, rules and regulations. All such additions, alterations, renewals, replacements and repairs made by County shall be at least equal in quality and class to the original work. County shall not be responsible for the costs of any repairs required to the Teen Health Center or the Premises in the event said repairs are necessary, not as a result of normal wear and tear but due to the negligence of LAUSD or the Provider. In such instances, the negligent party shall be responsible for the costs of repair even if the repairs are structural in nature.

6.1.3 Non-Structural Maintenance and Repair Obligations. Notwithstanding the foregoing, the Provider shall be obligated by its Operating Agreement for School-Based Health Center to keep, or cause to be kept, in good repair, and maintain, or cause to be maintained, at its own expense, all aspects of the Teen Health Center and Premises that are not the obligation of the County pursuant to section 6.1.2, above, including, without limitation, interior fixtures, lamps and tubes for fixtures, whether interior or exterior, exposed plumbing, exposed electrical systems, HVAC systems, interior walls, windows, window coverings, fire extinguishers, any equipment installed in the Premises for the Provider's exclusive use and floor components. County shall assign in writing (in form and content acceptable to LAUSD in its reasonable discretion) any and all warranties for all building systems, parts and components to LAUSD or the Provider during the Term of this Agreement that are the responsibility of the Provider hereunder.

6.1.4 Janitorial and Landscaping. The Provider shall also be obligated by its Operating Agreement for School-Based Health Center to provide for all interior cleaning, janitorial and disposal of trash and hazardous materials in accordance with all applicable laws, rules and regulations and consistent with good business practices for the provision of health care services, all landscaping upkeep, maintenance and repair, and graffiti removal. Neither LAUSD nor County shall be the guarantor of, nor responsible for, the safe and sanitary condition of the Teen Health Center and good operating practice of the Provider.

6.2 Additions and Alterations. Following the Completion of Construction, County shall not make any alterations or additions to the Teen Health Center without giving notice to LAUSD. Any substantial alterations and additions that involve the expenditure of more than \$50,000 in the aggregate in any calendar year shall be subject to the mutual prior written consent of both parties. LAUSD shall not be the guarantor of, nor responsible for, any additions and/or alterations to the Teen Health Center, or the compliance thereof with applicable laws, rules or regulations, and LAUSD shall incur no liability for such additions and/or alterations. In the event LAUSD needs access to the Teen Health Center for the purpose of performing any repair or maintenance work required to be performed by LAUSD hereunder, LAUSD shall obtain the County's consent to such access and the performance of any work in advance, which consent shall not be unreasonably withheld, conditioned or delayed.

ARTICLE VII

TERM; CANCELLATION

7.1 Term. The term of this Agreement (the "Term") shall commence on the Execution Date, and all terms and conditions hereof shall become effective upon satisfaction of the Conditions Precedent. The Term shall expire on the day before the 40th anniversary of the date of Completion of Construction or the 42nd anniversary of the Execution Date, whichever is earlier (the "Expiration Date"), unless sooner terminated or further extended pursuant to the terms of this Agreement. On or prior to the date which is twelve (12) months before the Expiration Date, provided County shall not then be in default under the provisions of this Agreement, LAUSD, in its sole and absolute discretion, may elect to offer to extend ("Offer to Extend") this Agreement to County for an additional term of five (5) years (an "Extension").

Term”). County shall, no later than the date which is sixty (60) days after its receipt of such Offer to Extend, notify LAUSD in writing that it shall accept such Extension Term upon the same terms and conditions as are set forth herein. If County fails to accept the Offer to Extend in writing within such sixty (60) day period, LAUSD’s Offer to Extend shall terminate and this Agreement shall expire upon the original Expiration Date. Provided that LAUSD decides, in its sole and absolute discretion, to provide an Extension Term and County is not in default under the provisions of this Agreement, LAUSD may make an unlimited number of Offers to Extend using the mechanism and procedure provided in this Section 7.1. Each such extension shall be exercisable by County subject to such procedure, provided that as of the date of delivery of notice to LAUSD, County will accept such Extension Term, and at the time of the commencement of the Extension Term, County is not in default under the Agreement.

7.2 Cancellation by LAUSD, the County or Both Parties. This Agreement shall not be cancelable by either party unilaterally for the first fifteen years of the Term, except as provided in Section 4.3.3. Either party may unilaterally request cancellation of the Agreement after the fifteenth year of the Term as provided for herein by providing prior written notice to the other party one hundred and eighty (180) days prior to cancellation. Upon cancellation, County shall convey the Teen Health Center and all fixtures, alterations, additions and improvements thereto to LAUSD, including, without limitation, by executing and delivering to LAUSD a quitclaim deed for the Teen Health Center, and a written assignment of all agreements, guaranties, warranties, and plans and specifications related to the Teen Health Center (each in form and content acceptable to LAUSD in its reasonable discretion) subject to the following: (i) if the cancellation of the Agreement is due to the request of County, County shall bear all costs and expenses to convey the Teen Health Center to LAUSD and LAUSD shall not be required to pay the Compensation Amount (as hereinafter defined) or (ii) if the cancellation of the Agreement is due to the request of LAUSD, LAUSD shall bear all costs and expenses to convey the Teen Health Center to LAUSD and LAUSD shall pay the Compensation Amount (as hereinafter defined) as provided for in Section 7.2.1. The Agreement may be cancelable by the mutual agreement of the parties at any time during the Term. If the cancellation of this Agreement is due to the mutual consent of both parties or is required by operation of law and the parties do not enter into a new agreement pursuant to Section 21.1, below, the parties shall equally share the costs and expenses to convey the Teen Health Center to LAUSD and LAUSD shall pay the Compensation Amount as provided for in Section 7.2.1.

7.2.1 Compensation. In the event of cancellation during the Term, by LAUSD or both parties, as provided for in Section 7.2, but not during any Extension Term, LAUSD agrees to pay County an amount (the “Compensation Amount”) equal to the unamortized cost of the Teen Health Center, calculated using the “actual amounts” expended by County on the Teen Health Center constructed in accordance with and pursuant to Article IV of this Agreement and amortized over a 40-year useful life. The phrase “actual amounts” as used in this Section 7.2.1 shall mean those reasonable and actual third party out-of-pocket expenses actually incurred by County in connection with Construction made in accordance with and pursuant to Article IV of this Agreement as well as reasonable and actual expenses actually incurred by County to the extent directly arising from employees of County directly working on the design and Construction of the Teen Health Center in accordance with and pursuant to Article IV of this Agreement, and excluding the following amounts: salaries of administrative employees,

attorneys' fees, accountants' fees, transaction costs, financing costs, any other overhead costs, and any "actual amounts" reimbursed to County by LAUSD for any reason. The parties agree to work together, diligently and in good faith, to determine the Compensation Amount to be paid by LAUSD to County. LAUSD shall make payment of the Compensation Amount to County within ninety (90) days following the date on which County and LAUSD agree upon the Compensation Amount.

7.2.2 No Compensation. If LAUSD elects to cancel this Agreement during any Extension Term, LAUSD may do so without any obligation to make any payment to County whatsoever and LAUSD will not be responsible for any costs or expenses related thereto and County shall not be entitled to any compensation whatsoever.

ARTICLE VIII

COVENANTS

From the Execution Date until the Expiration Date or the earlier cancellation of this Agreement, in addition to any covenants set forth elsewhere in this Agreement, County and LAUSD, respectively, agree to the following:

8.1 Litigation. County shall not commence any litigation affecting LAUSD's interest in the Premises, without first obtaining the prior written consent of LAUSD, which consent shall not be unreasonably withheld.

8.2 Liens and Encumbrances. County shall not permit or suffer to exist any encumbrance, charge or lien to be placed or claimed upon the Premises or the Teen Health Center, all in accordance with Article XI hereof.

8.3 Leases. County shall not enter into any leases, contracts of parties in possession, tenancies, rights of occupancy or any other agreements relating to the Premises or the Teen Health Center without the prior written consent of LAUSD, in accordance with Article XIX hereof.

8.4 Conveyance. County shall not sell, convey, assign, transfer, encumber or otherwise dispose of the Teen Health Center, or any part thereof or interest therein, without the prior written consent of LAUSD, in accordance with Article XIX hereof.

8.5 Hazardous Materials. County and LAUSD shall not use, produce, process, manufacture, generate, treat, handle, store or dispose of any Hazardous Materials (as hereinafter defined) in, on or under the LAUSD Property, the Premises or the Teen Health Center, or use the LAUSD Property, the Premises or the Teen Health Center for any such purposes, or release any Hazardous Materials into any air, soil, surface water or groundwater comprising the LAUSD Property or the Premises, nor shall the party contracting with the Provider permit the Provider to do any of the foregoing, except in each case in accordance with Article XII hereof.

8.6 Environmental Laws. County and LAUSD shall comply, and shall cause the Provider to comply, with all Environmental Laws (as hereinafter defined) applicable to the Premises and/or the Teen Health Center, or the use or occupancy thereof, or any operations or activities therein or thereon, all in accordance with, and to the extent required by, Article XII hereof.

8.7 Funding Arrangements. County shall maintain adequate and acceptable funding arrangements and shall fulfill its funding obligations under this Agreement in order for LAUSD and County to undertake the transactions contemplated by this Agreement and for County to complete Construction, structural maintenance and repair of the Teen Health Center in accordance with the terms of this Agreement. Upon request by LAUSD, County shall provide to LAUSD evidence satisfactory to LAUSD that all such funding arrangements are in place and that all such funding obligations are being fulfilled.

ARTICLE IX

COSTS

9.1 LAUSD Costs. LAUSD shall pay, or cause to be paid, all charges for water used or supplied to the Teen Health Center throughout the Term and any Extension Term (the "LAUSD Costs"). Except for LAUSD's sole obligation expressly set forth in the preceding sentence, under no circumstances shall LAUSD be obligated to pay or otherwise be liable for any costs, expense, fees or charges related in any way whatsoever to the Premises, the Teen Health Center or the transactions contemplated by this Agreement.

9.2 County Costs. Except for LAUSD's sole obligation to pay charges for water expressly set forth in Section 9.1 above, County shall pay, or cause to be paid, all costs of Construction, structural maintenance and repair of the Teen Health Center as provided for in Section 6.1.2, and all charges which are incurred by County arising from, or which may be a charge or lien against, the Premises or the Teen Health Center (the "County Costs").

9.3 Provider Costs. LAUSD and County agree that the Provider, at its sole cost and expense, shall be responsible to pay or cause to be paid, all costs for: (i) the provision of health care services, including but not limited to the cost of all licenses, permits, certificates and approvals for the operation thereof; (ii) the utilities such as, but not limited to, electricity, gas, telephone, cable television and internet service incurred in connection with the operation of the Teen Health Center; (iii) security during hours of operation; (iv) installation and maintenance of a security system, if any; (v) non-structural maintenance and repair as provided for in Section 6.1.3; (vi) pick-up and disposal of trash; (vii) disposal and management of Hazardous Materials (as hereinafter defined) arising from the health care services; (viii) janitorial and landscaping as provided for in Section 6.1.4; and (ix) any and all taxes related to the use and operation of the Teen Health Center as provided for in Section 10.4, below (the "Provider Costs"). In the event the Initial Provider no longer operates the Teen Health Center for any reason, LAUSD and County agree that the party contracting with the next health care provider shall require said provider to be responsible for the costs identified in this Section 9.3.

ARTICLE X

TAXES

10.1 LAUSD's Obligations. Except as expressly set forth in Section 10.3 below LAUSD shall not be obligated to pay or otherwise be liable for any Taxes (as hereinafter defined) related in any way whatsoever to the Premises or the Teen Health Center.

10.2 County's Obligations. Both County and LAUSD have informed each other that they believe each is exempt from the payment of real property and similar taxes, and, as necessary, LAUSD shall cooperate with and assist County in applying for any appropriate waivers or exemptions from taxation that may be applicable to the Premises and/or the Teen Health Center. Notwithstanding the foregoing, and to the extent that the Teen Health Center and/or the Premises are subject to either real property or similar taxes, County covenants and agrees to pay or cause to be paid before delinquency all of the following taxes, to the extent such taxes are levied against the Teen Health Center and/or the Premises (collectively, "Taxes"):

10.2.1 Real Estate Taxes. All real estate taxes, assessments for improvements to the Premises, or any other assessments or taxes, which shall be levied against the Teen Health Center and/or the Premises, or any interest therein, and which become a lien thereon and accrue during the Term or any Extension Term.

10.2.2 Personal Property Taxes. All personal property taxes, assessments, charges, rates, duties, license fees and liens of every kind and nature which shall be levied against County's materials, furniture, fixtures, equipment or other personal property as may be from time to time situated within the Teen Health Center or on the Premises, and which become a lien thereon and accrue during the Term or any Extension Term.

10.2.3 Possessory Interest Taxes. If, pursuant to the provisions of the California Revenue and Taxation Code, County's ownership of the Teen Health Center results in a possessory interest tax being levied against County, any such possessory interest tax and any fine, penalty, interest or cost that may be added thereto for the nonpayment thereof.

10.2.4 Miscellaneous Taxes. All excise and sales, consumer, use and/or similar taxes related to the Teen Health Center or its Construction, maintenance, repair and improvement, if applicable (collectively, "Miscellaneous Taxes").

Notwithstanding the foregoing, prior to payment of any Taxes (other than Miscellaneous Taxes), County shall provide written notice to LAUSD of the nature and amount of such Taxes (other than Miscellaneous Taxes) sufficiently in advance of the date on which such Taxes are due to allow LAUSD to contest such Taxes. LAUSD shall have the right to contest the amount or validity of any Taxes, in whole or in part, by appropriate administrative and legal proceedings, and LAUSD may instruct County to postpone payment of any such contested Taxes pending the prosecution of such proceedings and any appeals so long as such proceedings or appeals shall operate to prevent the collection of such Taxes and the sale of the Premises and any improvements thereon to satisfy any lien arising out of the nonpayment of the same.

10.3 Separate Tax Bill. LAUSD and County agree to mutually cooperate to arrange with the taxing authorities to have the Premises and/or any improvements thereon treated as a separately taxed parcel or interest from remainder of the LAUSD Property and any improvements thereon, and for any Tax related thereto to be directed to County. If any Tax is not separately assessed to the Premises and/or any improvements thereon, or directed to the County, but is included in an assessment covering the remainder of the LAUSD Property or improvements thereon, or in an assessment directed to LAUSD, then County's share of such assessment shall be an equitable proportion of the total amount of such assessment as shall be determined by LAUSD in good faith from the respective valuations or allocations assigned in the assessor's work sheets or from such other information as may be reasonably available. LAUSD shall deliver to County a statement setting forth County's share of any such assessment not separately assessed to the Premises and/or any improvements thereon, or directed to County, and the manner in which County's share was determined. If LAUSD receives such an assessment, LAUSD shall deliver to County a copy of such assessment at least 20 days prior to the due date of such assessment, or, if such assessment may be paid in installments, at least 20 days prior to the due date of such installment. Within 10 days of such due date, County shall furnish LAUSD with a valid check or draft, payable to the order of the taxing authority listed in such assessment, in the amount of the assessment or installment thereof. Prior to delinquency, LAUSD shall deliver such check or draft, together with the appropriate assessment bill, to the listed taxing authority. If LAUSD fails to make such payments, County shall, after written demand on LAUSD to make such payment, and the expiration of 10 days, be entitled to make such payment. LAUSD shall reimburse County for any cost or expense incurred by County due to Tax payments provided by County to LAUSD and not timely made by LAUSD, which reimbursement shall be made within 10 days following written request therefor.

10.4 Provider Taxes. Notwithstanding the foregoing, the Provider (including, as applicable, the County, with respect to any time period that the County serves as the Provider pursuant to Section 17.3.2 hereof), shall be required by its Operating Agreement for School-Based Health Center to pay any and all taxes related to its use and operation of the Teen Health Center. Subject to the foregoing, neither LAUSD nor County shall be responsible for the payment of any such taxes.

ARTICLE XI

LIENS

County shall not suffer or permit any liens to stand against the fee title to the Premises or against the Teen Health Center, or any part thereof, by reason of any work, labor, services or materials done, or supplied, or claimed to have been done or supplied to County or anyone holding the Premises or the Teen Health Center, or any part thereof, through or under County. If any such lien shall at any time be filed against the Premises or the Teen Health Center, County shall provide LAUSD written notice thereof as soon as notice of such lien or action comes to the knowledge of County and shall cause the same to be discharged of record within 30 days after the date of the filing of same, by either payment, deposit or bond, unless a bond therefor is already in effect. The failure of County to discharge a lien recorded on the fee title to the

Premises or on the Teen Health Center, or any part thereof, within 45 days after the date of the filing of the lien shall constitute a default under this Agreement. Nothing in this Agreement shall imply any consent or agreement on the part of LAUSD to subject its estate in the Premises to liability under any mechanics' lien law or to any contractor or laborer for work performed.

If any such liens are not so discharged within 30 days after the date of the filing of the same, LAUSD may, without waiving its rights and remedies based on such breach of County and without releasing County from any of its obligations, cause such liens to be released by any means it shall deem proper, including payment in satisfaction of the claim giving rise to such lien. Upon notice by LAUSD, County shall immediately pay to LAUSD any sum paid by LAUSD to remove such liens. County shall indemnify, defend against and keep LAUSD free and harmless from all liability, loss, damage, costs, attorneys' fees and any other expense incurred on account of claims by any person performing work or furnishing materials or supplies for County or any person claiming under County.

ARTICLE XII

ENVIRONMENTAL ISSUES

12.1 Hazardous Materials.

12.1.1 Definitions. As used in this Agreement, the following definitions shall apply: "Environmental Laws" shall mean all federal, state and local laws, ordinances, rules and regulations now or hereafter in force, as amended from time to time, in any way relating to or regulating human health or safety, or health care facilities, or industrial hygiene or environmental conditions, or protection of the environment, or pollution or contamination of the air, soil, surface water or groundwater, and includes, without limitation, the Comprehensive Environmental Response, Compensation and Liability Act of 1980, 42 U.S.C. § 9601, *et seq.*, the Resource Conservation and Recovery Act, 42 U.S.C. § 6901, *et seq.*, the Clean Water Act, 33 U.S.C. § 1251, *et seq.*, the Hazardous Substance Account Act, California Health and Safety Code § 25300, *et seq.*, the Hazardous Waste Control Law, California Health and Safety Code § 25100, *et seq.*, the Medical Waste Management Act, California Health and Safety Code § 117600, *et seq.*, and the Porter-Cologne Water Quality Control Act, California Water Code § 13000, *et seq.* "Hazardous Materials" shall mean any substance or material that is described as a toxic or hazardous substance, explosive material, radioactive substance, waste or material or a pollutant or contaminant or infectious waste, or words of similar import, in any of the Environmental Laws, and includes, but is not limited to, asbestos, petroleum or petroleum products (including crude oil or any fraction thereof, natural gas, natural gas liquids, liquefied natural gas, or synthetic gas usable for fuel, or any mixture thereof), polychlorinated biphenyls, urea formaldehyde, radon gas, radioactive matter, medical waste, and chemicals which may cause cancer or reproductive toxicity. "Release" shall mean any spilling, leaking, pumping, pouring, emitting, emptying, discharging, injecting, escaping, leaching, dumping or disposing into the environment, including continuing migration, of Hazardous Materials into or through soil, air, surface water or groundwater.

12.1.2 Teen Health Center Operations. LAUSD and County hereby acknowledge that the operation of the Teen Health Center may require the use of certain Hazardous Materials that are incidental to and customary in the operation of a health center and the provision of health care services, in amounts and in a manner in strict compliance with all applicable Environmental Laws; such use in compliance with such laws shall not constitute a breach of any provision of this Article XII (notwithstanding anything to the contrary herein). The party contracting with the Provider shall ensure the cooperation of the Provider to prevent any exposure to Hazardous Materials by the students of the adjoining School and the general public.

12.1.3 Covenants. LAUSD and County covenant that each shall not knowingly cause, nor permit to be caused, the Release of any Hazardous Materials over, beneath, in or upon the LAUSD Property, the Premises or the Teen Health Center. LAUSD and County agree to cooperate with one another to cause Provider and Provider's employees, agents, tenants, contractors and subcontractors and any other persons from time to time present on or occupying the Premises or the Teen Health Center to keep and maintain the Premises and the Teen Health Center in compliance with, and not cause or knowingly permit the Premises or the Teen Health Center to be in violation of, any applicable Environmental Laws. In the event a Release of Hazardous Materials over, beneath, in or upon the LAUSD Property, the Premises or the Teen Health Center occurs that is unintended or inconsistent with the operation of a health care center or with any Environmental Law, the party receiving notice shall immediately give written notice of such Release to the other party.

12.2 Hazardous Materials Claims. Each party shall immediately advise the other party in writing of: (i) any notices received by such party (whether such notices are from the Environmental Protection Agency, or any other federal, state or local governmental agency or regional office thereof) of the violation or potential violation of any applicable Environmental Laws occurring on or about the LAUSD Property, the Premises or the Teen Health Center, (ii) any and all enforcement, cleanup, removal or other governmental or regulatory actions instituted, completed or threatened pursuant to any Environmental Laws, (iii) all claims made or threatened by any third party against any party, the LAUSD Property, the Premises or the Teen Health Center relating to damage, contribution, cost recovery compensation, loss or injury resulting from any Hazardous Materials (the matters set forth in clauses (i), (ii) and (iii) above are hereinafter referred to as "Hazardous Materials Claims") and (iv) any party's discovery of any occurrence or condition on any real property adjoining or in the vicinity of the Premises that could have a reasonable likelihood to cause the LAUSD Property, the Premises or the Teen Health Center or any part thereof to be subject to any Hazardous Materials Claims. Each party shall have the right but not the obligation to join and participate in, as a party if it so elects, any legal proceedings or actions initiated in connection with any Hazardous Materials Claims.

12.3 Indemnity by County. County shall indemnify, defend and hold harmless LAUSD and its affiliates, successors and assigns, officers, directors, board members, other members, partners, agents, consultants, contractors, employees, administrators, faculty, staff and students (collectively, the "LAUSD Parties"), from and against, any claim, demand, lawsuit, loss, damage, cost, expense or liability directly or indirectly arising out of or attributable to the use, generation, storage, release, threatened release, discharge, disposal or presence of Hazardous Materials on, under or derived from the Premises or the Teen Health Center in violation of

applicable law caused by County or any County Representative including, without limitation: (i) claims of third parties (including governmental agencies) for injury or death to any person or for damage or destruction of any property, (ii) claims for response costs, clean-up costs, costs and expenses of removal and restoration, including fees of attorneys and experts, and costs of determining the existence of Hazardous Materials and reporting same to any governmental agency, (iii) any and all other claims for expenses or obligations, including attorneys' fees, costs, and other expenses, (iv) any and all penalties threatened, sought or imposed on account of a violation of any Environmental Law, and (v) all fees of any consultants, attorneys and engineering firms retained in connection with monitoring the Hazardous Materials; provided, however, that the foregoing indemnity by County shall not cover any claim, demand, lawsuit, loss, damage, cost, expense or liability to the extent arising from the negligence or willful misconduct of LAUSD or the LAUSD Parties.

12.4 Indemnity by LAUSD. LAUSD shall indemnify, defend and hold harmless County and its Special Districts, successors and assigns, elected officials, officers, employees, partners, agents, consultants, and contractors (collectively the "County Parties") from and against, any claim, demand, lawsuit, loss, damage, cost, expense or liability directly or indirectly arising out of or attributable to the use, generation, storage, release, threatened release, discharge, disposal or presence of Hazardous Materials on, under or derived from the Premises or the Teen Health Center in violation of applicable law caused by LAUSD or the LAUSD Parties, including, without limitation: (i) claims of third parties (including governmental agencies) for injury or death to any person or for damage or destruction of any property, (ii) claims for response costs, clean-up costs, costs and expenses of removal and restoration, including fees of attorneys and experts, and costs of determining the existence of Hazardous Materials and reporting same to any governmental agency, (iii) any and all other claims for expenses or obligations, including attorneys' fees, costs, and other expenses, (iv) any and all penalties threatened, sought or imposed on account of a violation of any Environmental Law, and (v) all fees of any consultants, attorneys and engineering firms retained in connection with monitoring the Hazardous Materials; provided, however, that the foregoing indemnity shall not cover any claim, demand, lawsuit, loss, damage, cost, expense or liability to the extent arising from the negligence or willful misconduct of the County or the County Parties. Notwithstanding the foregoing, it is the parties' intent that the County Parties shall incur no liability for, and LAUSD shall fully indemnify and defend the County Parties against, all Hazardous Materials Claims arising from soils contamination existing on the Execution Date at the LAUSD Property or on the Premises (except to the extent any such claims arise due to the negligence or willful misconduct of the County or the County Parties).

12.5 Indemnity by Provider. The party contracting with the Provider shall cause the Provider to be solely responsible for, and indemnify, defend and hold harmless County and the County Parties and LAUSD and LAUSD Parties from and against, any claim, demand, lawsuit, loss, damage, cost, expense or liability directly or indirectly arising out of or attributable to the use, generation, storage, release, threatened release, discharge, disposal or presence of Hazardous Materials on, under or derived from the Premises or the Teen Health Center in violation of applicable law caused by the Provider or any Provider officer, employee, agent, affiliate, partner, contractor or consultant including, without limitation: (i) claims of third parties (including governmental agencies) for injury or death to any person or for damage or destruction of any

property, (ii) claims for response costs, clean-up costs, costs and expenses of removal and restoration, including fees of attorneys and experts, and costs of determining the existence of Hazardous Materials and reporting same to any governmental agency, (iii) any and all other claims for expenses or obligations, including attorneys' fees, costs, and other expenses, (iv) any and all penalties threatened, sought or imposed on account of a violation of any Environmental Law, and (v) all fees of any consultants, attorneys and engineering firms retained in connection with monitoring the Hazardous Materials; provided, however, that the foregoing indemnity of the County and the County Parties shall not cover any claim, demand, lawsuit, loss, damage, cost, expense or liability to the extent arising from the negligence or willful misconduct of the County or the County Parties; and provided, that the foregoing indemnity of LAUSD and the LAUSD Parties shall not cover any claim, demand, lawsuit, loss, damage, cost, expense or liability to the extent arising from the negligence or willful misconduct of LAUSD or the LAUSD Parties (but for purposes of this proviso, the Provider and any Provider officer, employee, agent, affiliate, partner, contractor or consultant shall not be deemed to be one of the "LAUSD Parties").

12.6 Removal of Hazardous Materials. Each party, at its sole cost and expense, shall, with due care, in a safe manner and in accordance with all applicable laws, detain the spread of, ameliorate and remove from the Premises or the Teen Health Center any Hazardous Materials contamination caused by that respective party or any of its representatives, and located on or beneath the Premises or the Teen Health Center in violation of applicable law and shall monitor or cause to be monitored the levels of Hazardous Materials on, under or derived from the Premises and the Teen Health Center or in the ground water in accordance with the terms and procedures required by any federal, state or local governmental agency having jurisdiction including, without limitation, any Regional Water Quality Control Board and the Environmental Protection Agency. The party contracting with the Provider shall require that the Provider remove in the same manner any Hazardous Materials in violation of applicable law caused by the Provider or its representatives.

12.7 Survival. The provisions of this Article XII shall survive the expiration or earlier cancellation of this Agreement.

ARTICLE XIII

INSURANCE; INDEMNITY

13.1 Provider Insurance.

13.1.1 Insurance. At all times during the Term and any Extension Term, the party contracting with the Provider shall require that the Provider, at Provider's sole cost and expense, provide and keep in force and effect the insurance indicated below. Such insurance shall be primary to and not contributing with any insurance or self-insurance program maintained by LAUSD or the County. Nothing in the foregoing is intended to require that this insurance cover LAUSD's use and operation of the School.

13.1.1.1 Commercial General Liability Insurance. Commercial General Liability Insurance (written on ISO policy form CG 00 01 or its equivalent) on an

occurrence basis against claims for personal injury, death and/or property damage occurring in or about the Premises and the Teen Health Center with limits of not less than the following:

General Aggregate:	\$10,000,000
Products/Completed Operations Aggregate:	\$5,000,000
Personal and Advertising Injury:	\$5,000,000
Each Occurrence:	\$5,000,000

Provider shall obtain blanket broad-form contractual liability coverage to insure its indemnity obligations herein.

13.1.1.2 All Risk Property Insurance. Insurance covering 100% of the full replacement cost valuation of the Teen Health Center, all alterations, additions or improvements made to the Premises, furniture, fixtures and equipment and other personal property from time to time in, on or about the Teen Health Center or the Premises. Such insurance shall be endorsed naming the County as loss payee as its interest appears, provide deductibles of no greater than \$25,000 and provide protection against any peril included within the classification of "all risk", together with insurance against fire sprinkler damage, vandalism and malicious mischief. Such insurance shall contain (i) no coinsurance or contribution clauses and (ii) a Replacement Cost Endorsement.

13.1.1.3 Automobile Insurance. Primary automobile liability insurance in an amount not less than \$2,000,000.00 per occurrence covering owned, hired and non-owned vehicles used by Provider.

13.1.1.4 Workers' Compensation Insurance. Workers' compensation insurance policies as required by law and Employer's Liability insurance in an amount not less than \$1,000,000.00.

13.1.1.5 Medical Malpractice Insurance. Medical malpractice insurance in an amount not less than \$1,000,000.00 per claim and \$3,000,000.00 per occurrence.

13.1.1.6 Other Insurance. Other insurance, in amounts from time to time reasonably required by the mutual agreement of LAUSD and County against other insurance risks, if at the time they are commonly insured by operators of similar facilities.

13.1.2 Provider Insurance Policies. All policies of insurance provided for herein shall be issued by insurance companies authorized to do business in California and reasonably acceptable to LAUSD and County and rated in Best's Insurance Guide, or any successor thereto as having a "Best's Rating" of "A" or better and a "Financial Size Category" of at least "VII" or better or, if such ratings are not then in effect, the equivalent thereof or such other financial rating as LAUSD and County may at any time consider appropriate. All policies held by Provider in connection with this Agreement shall name Provider as the insured and LAUSD and County as additional insureds, and shall provide that they may not be cancelled by the insurer or be terminated or lapse of their own accord or by their own terms until at least 30 days after service by registered or certified mail of notice of the proposed cancellation upon all parties

named in such policies as insureds (except for nonpayment of premium cancellation which shall not take effect until at least 10 days after service by registered or certified mail of notice to all insureds). All insurance required to be carried by Provider shall contain a provision that no act or omission of Provider shall affect or limit the obligation of the insurance company to pay the amount of any loss sustained. All such policies shall contain language to the effect that any loss shall be payable notwithstanding any act or negligence of LAUSD or County that otherwise might result in the forfeiture of the insurance. LAUSD agrees that with respect to all such policies carried by or to be carried by Provider, that Provider shall require its insurance broker to provide LAUSD and County with written notice whenever there are paid losses on Provider's insurance policies which result in a 20% percent or greater erosion of limits. Upon the Execution Date, and thereafter at least 10 days prior to the expiration date of such policy, Provider shall deliver to LAUSD and County copies of the policies for all the insurance required to be carried by Provider hereunder. Provider shall cause each property insurance policy obtained by Provider to provide that the insurance company waives all right of recovery by way of subrogation against LAUSD or County in connection with any damage covered by any such policy or policies.

13.2 County Indemnity. In addition to the County's other indemnity obligations set forth in Section 12.3 and elsewhere in this Agreement, to the fullest extent permitted by law, County shall indemnify, protect, defend and hold LAUSD and the LAUSD Parties harmless from and against any and all claims, losses, costs, loss, attorneys' fees, damages, expenses and liabilities (including, without limitation, court costs and reasonable attorneys' fees) incurred or arising from any cause in connection with County's acts, errors and omission for (i) use, occupancy and activities conducted in, on or about the LAUSD Property, including Construction, maintenance, repair and improvement of the Teen Health Center and School Site Improvements, (ii) failure to pay or cause to be paid any County Costs or Taxes before delinquency, and (iii) failure to observe or perform any of the terms, covenants or conditions of this Agreement on County's part to be observed or performed. The provisions of this Section 13.2 shall survive the expiration or sooner cancellation of this Agreement.

13.3 LAUSD Indemnity. In addition to LAUSD's other indemnity obligations set forth Section 12.4 and elsewhere in this Agreement, to the fullest extent permitted by law, LAUSD shall indemnify, protect, defend and hold County and the County Parties harmless from and against any and all claims, losses, costs, loss, attorneys' fees, damages, expenses and liabilities (including, without limitation, court costs and reasonable attorneys' fees) incurred or arising from any cause in connection with LAUSD's acts, errors and omission for (i) the access, entry, use or occupancy of, or activities conducted in, on or about the LAUSD Property by LAUSD, the LAUSD Parties or any person or entity claiming by, through or under LAUSD, during or after the expiration of the Term or any Extension Term, (ii) failure to pay or cause to be paid any LAUSD Costs or any taxes before delinquency that LAUSD is responsible for, and (iii) failure to observe or perform any of the terms, covenants or conditions of this Agreement on LAUSD's part to be observed or performed. The provisions of this Section 13.3 shall survive the expiration or sooner cancellation of this Agreement.

13.4 Provider Indemnity. In addition to the other indemnity obligations set forth in Section 12.5 and elsewhere in this Agreement, the party contracting with the Provider shall cause

the Provider to the fullest extent permitted by law, to indemnify, protect, defend and hold County and the County Parties and LAUSD and the LAUSD Parties harmless from and against any and all claims, losses, costs, loss, attorneys' fees, damages, expenses and liabilities (including, without limitation, court costs and reasonable attorneys' fees) incurred or arising from any cause in connection with the Provider's acts, errors and omission for (i) use or occupancy of, or activities conducted in, on or about the Premises or the Teen Health Center, including, maintenance, repair and improvement, if applicable, of the Teen Health Center and/or the Premises, by Provider or any person or entity claiming by, through or under Provider, during or after the expiration of the Term or any Extension Term, (ii) failure to pay or cause to be paid any Provider Costs or Taxes before delinquency, and (iii) failure to observe or perform any of the terms, covenants or conditions of this Agreement or any Operating Agreement for School-Based Health Center, on Provider's part to be observed or performed. The party contracting with the Provider shall cause the Provider to agree to promptly notify County and LAUSD of the commencement of any litigation or proceedings pending, threatened or commenced (whether or not served) against Provider in connection with the matters covered hereby. The provisions of this Section 13.4 shall survive the expiration or sooner cancellation of this Agreement.

ARTICLE XIV

DAMAGE AND DESTRUCTION

14.1 If, at any time prior to the expiration or cancellation of this Agreement, the Teen Health Center and/or the Premises are wholly or partially damaged or destroyed by an identifiable event of a sudden, unexpected or unusual nature (hereinafter referred to as a "Casualty"), which Casualty renders the Teen Health Center or the Premises totally or partially inaccessible or unusable as contemplated under this Agreement, then the decision as to whether or not to repair the Teen Health Center shall be made in the sole and absolute discretion of the County. Should the County decide to not repair the Teen Health Center, the County shall be solely responsible for the cost of demolition of the Teen Health Center, removal of debris from the demolition, and returning the Premises to no worse condition than its condition as of the date hereof, except that County shall not be required to restore or replace any structures or improvements demolished for the purpose of constructing the Teen Health Center, and this Agreement shall terminate after completion of the demolition and County's compliance with its other obligations under this sentence.

14.2 Final Year. Notwithstanding anything to the contrary contained in Section 14.1 hereof, if the Premises and/or the Teen Health Center are wholly or partially damaged or destroyed by a Casualty within the final 12 months of the Term or any Extension Term, this Agreement shall immediately terminate in accordance with Article XVI hereof, and insurance proceeds, if any, related to such damage or destruction shall be the property of LAUSD, and LAUSD shall be solely responsible for the demolition or other disposition of the Teen Health Center.

ARTICLE XV

EMINENT DOMAIN

15.1 Agreement Governs. In the event of any acquisition of all or any part of the Premises, or any interest therein by eminent domain, which for purposes hereof shall mean either by condemnation proceeding or transfer in avoidance of an exercise of the power of eminent domain or otherwise during the Term or any Extension Term, the rights and obligations of the parties with respect to such appropriation shall be as provided in this Article XV.

15.2 Termination of Agreement. This Agreement shall terminate if the entire Premises is permanently taken under the power of eminent domain or if a material part of the Premises is so taken such that the operation of the Teen Health Center as contemplated by this Agreement cannot feasibly continue on the remaining portion of the Premises. If only a part of the Premises is permanently taken under the power of eminent domain and the Provider can reasonably continue to operate the Teen Health Center as contemplated by this Agreement, this Agreement shall not terminate and shall remain in full force in effect with respect to the remaining portion of the Premises.

15.3 Allocation of Condemnation Award. In the event of a permanent condemnation or taking by eminent domain of all or part of the Premises at any point during the Term (but not any Extension Term), LAUSD shall be entitled to any award which may be made in such taking or condemnation to the extent such award relates to the fee title to the Premises, and County shall be entitled to any award which may be made in such taking or condemnation to the extent it relates to the Compensation Amount, but in no event shall any award to County reduce or serve to reduce the award granted to LAUSD. In the event of such a permanent condemnation or taking of all or part of the Premises after the expiration of the Term or during any Extension Term, LAUSD shall be entitled to any and all award which may be made in such taking or condemnation and County shall not be entitled to any award whatsoever. Nothing contained in this Article XV shall be deemed to give LAUSD any interest in or to require County to assign to LAUSD any separate award, as designated by the condemning authority, and County shall be able to retain any separate award as, designated by the condemning authority, made to County for the taking of County's personal property, or the interruption of or damage to County's operation of the Teen Health Center.

15.4 Temporary Taking. In the event of a temporary taking by eminent domain at any point during the Term (but not any Extension Term), this Agreement shall remain in full force and effect, and County shall be entitled to any award which may be made in such temporary taking to the extent it relates to the Compensation Amount, but in no event shall any award to County reduce or serve to reduce the award granted to LAUSD. In the event of such a temporary taking of all or part of the Premises after the expiration of the Term or during any Extension Term, LAUSD shall be entitled to any and all award which may be made in such temporary taking and County shall not be entitled to any award whatsoever.

ARTICLE XVI

EXPIRATION; SURRENDER OF TEEN HEALTH CENTER

16.1 Expiration of Agreement. At the expiration of the Term or final Extension Term, the County License shall terminate and LAUSD shall have the right to: (i) request conveyance of the Teen Health Center and upon conveyance the Teen Health Center shall become LAUSD's property free and clear of all claims to or against the Teen Health Center by County or any third party, and County shall comply with Section 16.2, below, and LAUSD shall have no obligation to pay for the Teen Health Center or provide any compensation to County, other than in connection with Cancellation (as hereinafter defined) pursuant to Article VII hereof; or (ii) request County to demolish the Teen Health Center. All costs to either convey title to the Teen Health Center to LAUSD or demolish the Teen Health Center shall be equally divided between LAUSD and County.

16.2 Surrender of the Teen Health Center. On the last day of the Term or final Extension Term, as it may be extended County shall, except where the Teen Health Center is being demolished at the request of LAUSD pursuant to Section 16.1, above, surrender to LAUSD the Teen Health Center and all furniture, fixtures and equipment to be transferred, appurtenances, alterations, additions, and improvements thereto, vacant and in good condition, ordinary wear and tear excepted, free and clear of any liens or encumbrances, and if requested to do so, County shall execute, acknowledge and deliver to LAUSD, within 10 days after a request by LAUSD, such instruments deemed necessary and appropriate by LAUSD to convey the Teen Health Center and all fixtures, alterations, additions, and improvements thereto to LAUSD, including, without limitation, a quitclaim deed for the Teen Health Center, a bill of sale for personal property to be transferred, and a general assignment of all agreements, guaranties, warranties, intangibles, then in effect, if any, and plans and specifications related to the Teen Health Center.

16.3 Removal of Property. Notwithstanding the foregoing Section 16.2, any personal property, furniture, fixture or equipment owned by County ("County's Personal Property"), which may be removed without irreparable or material damage to the Teen Health Center or the Premises, shall remain the property of County and shall be removed by County upon the last day of the Term, as it may be extended or sooner terminated pursuant to the terms herein. County shall promptly repair any damage to the Teen Health Center and/or the Premises occasioned by the removal of County's Personal Property. Any of County's Personal Property not removed by County from the Teen Health Center or the Premises within 30 days of the end of the Term, as it may be extended or sooner terminated pursuant to the terms herein, shall be conclusively presumed to have been abandoned by County.

16.4 Failure to Surrender. County's failure to surrender the Teen Health Center in accordance with this Article XVI shall constitute a default under Section 18.3 of this Agreement by County entitling LAUSD to pursue any and all remedies available at law and in equity including, without limitation, consequential damages resulting therefrom.

The provisions of this Article XVI shall survive the expiration or cancellation of this Agreement.

ARTICLE XVII

TEEN HEALTH CENTER OPERATION

17.1 Services. During the Term and any Extension Term, the Premises shall be used to operate the Teen Health Center for the provision of health care services (the “Services”) to the students attending the School and, to the extent approved in advance in writing by LAUSD in its sole and absolute discretion, students of LAUSD’s “feeder” schools in the area. The Services shall be of the type specified in the Operating Agreement for School-Based Health Center.

17.1.1 Hours of Operation. The Teen Health Center shall be open during reasonable and customary hours on weekdays with consideration for evening and weekend hours. The party contracting with the Provider shall cause the Provider to agree to inform LAUSD of clinic hours/services and special events.

17.1.2 Non-Discrimination. In operation of the Teen Health Center and in provision of the Services, there shall be no discrimination against or preference, gratuity, bonus or benefit given to residents of incorporated areas not equally accorded to residents of unincorporated territory of the County of Los Angeles.

17.1.3 Compliance. The party contracting with the Provider shall cause the Provider to agree to be responsible for obtaining (and maintaining during the Term and, as applicable, the Extension Term) all licenses, permits, certificates and approvals required by applicable laws, regulations or rules for the operation of the Teen Health Center and provision of the Services. The Operating Agreement for School-Based Health Center shall provide that the party contracting with the Provider shall, upon request, promptly receive from the Provider and any other persons operating the Teen Health Center and/or providing the Services (“Teen Health Center Personnel”) (and the Provider and the Teen Health Center Personnel shall obtain and maintain in effect during the Term and, as applicable, the Extension Term) all licenses, permits, certificates and approvals required of such persons or entities by all applicable laws, regulations or rules in connection with their operation of the Teen Health Center and/or providing the Services.

17.2 No LAUSD or County Liability. Neither LAUSD nor the County (unless County is the Provider pursuant to clauses (ii) or (iii) of Section 17.3.2, below) shall be the guarantor of, nor responsible for, the Provider’s Teen Health Center operations or the compliance thereof with applicable laws, rules or regulations. Neither LAUSD nor the County shall incur liability of any kind by reason of the Provider’s maintenance, repair or operation of the Teen Health Center on the Premises.

17.3 Provider. During the Term and any Extension Term, the Teen Health Center shall be operated and the Services provided by a Provider.

17.3.1 Initial Provider. LAUSD has selected, and County hereby approves, North East Valley Health Center as the Initial Provider, and as a Condition Precedent, LAUSD

shall enter into an Operating Agreement for School-Based Health Center with the Initial Provider in the form of agreement attached hereto and incorporated herein as Exhibit F. County agrees that although LAUSD previously located and selected the Initial Provider and will enter or has entered into an Operating Agreement for School-Based Health Center, LAUSD shall not be deemed the operator of the Teen Health Center. Except as otherwise provided in clauses (ii) and (iii) of Section 17.3.2 hereof, County and LAUSD agree that neither party to this Agreement shall be deemed the operator of the Teen Health Center.

17.3.2 Subsequent Providers. Upon the expiration or earlier termination of the Operating Agreement for School-Based Health Center with the Initial Provider, or any subsequent Operating Agreement for School-Based Health Center with any subsequent Provider, LAUSD and County shall consult as to which party shall be responsible for locating and selecting the next Provider. Should LAUSD agree to locate and select the next Provider, County must approve the chosen Provider prior to LAUSD entering into an Operating Agreement for School-Based Health Center with such Provider. If LAUSD declines to locate and select the next Provider, County may, in its sole and absolute discretion, either: (i) locate and select the next Provider; (ii) become the Provider for the Teen Health Center and assume all of the obligations of the Provider contained in this Agreement; (iii) partner with another "Federally Qualified Health Center" (as defined in Section 330 of the Public Health Service Act) or other community provider partner to operate the Teen Health Center and assume all of the obligations of the Provider contained in this Agreement; or (iv) terminate this Agreement upon written notice to LAUSD.

17.3.3 Operating Agreement for School-Based Health Center. Within 30 days after LAUSD arrives at a definitive draft Operating Agreement for School-Based Health Center with the Initial Provider, LAUSD shall provide such draft Operating Agreement for School-Based Health Center to County, along with all necessary and appropriate details for County to provide an informed approval, and County shall either approve or disapprove, in its sole and absolute discretion, the Operating Agreement for School-Based Health Center, which agreement shall have substantially similar terms as those contained in Exhibit F. Any Operating Agreement for School-Based Health Center must be subject to the terms and conditions of this Agreement and approved in writing by both parties hereto. Any Operating Agreement for School-Based Health Center must provide that the Provider shall be responsible for any and all liabilities arising from Teen Health Center operations during the term of the Operating Agreement for School-Based Health Center; provided, however, that if the Provider so requests, said agreement may provide that the Provider is not liable for any of such liabilities to the extent such liabilities arise from the acts or omissions of parties other than the Provider, its employees, agents or contractors. Further, any Operating Agreement for School-Based Health Center must provide that upon the expiration or earlier cancellation of this Agreement, the Operating Agreement for School-Based Health Center shall immediately terminate. If County shall be the lead administrative body to locate and select any subsequent Provider, County shall comply with the foregoing process, however, LAUSD's failure or refusal to approve a Provider selected by County or to approve a subsequent Health Care Service Agreement shall not be grounds for LAUSD's termination of this Agreement.

17.3.4 License. County shall provide the Initial Provider and any subsequent Provider a license, on a gratis basis, for use of the Premises and Teen Health Center to carry out the purposes of this Agreement as set forth herein and in the Operating Agreement for School-Based Health Center ("Provider License"). The Provider License shall be personal to Provider and shall not be assignable. Said license shall terminate automatically as of the date of termination or earlier cancellation of the Operating Agreement for School-Based Health Center or this Agreement, whichever is earlier.

ARTICLE XVIII

DEFAULT; REMEDIES

18.1 LAUSD's Default. LAUSD shall not be in default of any of its obligations under this Agreement unless LAUSD fails to perform such obligations within a reasonable time, but in no event less than 30 days, after written notice by County to LAUSD specifying wherein LAUSD has failed to perform such obligations; provided however, that if the nature of LAUSD's default is such that more than 30 days are required for its cure, LAUSD shall not be in default if LAUSD commences such cure within such 30 day period and thereafter diligently prosecutes the same to completion.

18.2 County's Remedies. In the event of any default by LAUSD as described in Section 18.1 above, subject to all applicable laws that may restrict remedies against a school district, including, but not limited to, restrictions within the California Education Code, County's remedies under this Agreement are to pursue LAUSD for specific performance and/or actual damages including reasonable attorneys' fees and costs, resulting from LAUSD's default. County shall have no rights as a result of any default by LAUSD until County gives 30 days' notice to LAUSD, specifying in reasonable detail the nature of the default. LAUSD shall then have the right to cure such default, and LAUSD shall not be deemed in default if LAUSD cures such default within 30 days after receipt of notice of the default, or within such longer period of time as may reasonably be necessary to cure the default, provided that LAUSD commences cure within such 30 days. The notice and cure period provided in this Section 18.2 shall be deemed to be the same notice and cure period as is set forth in Section 18.1 hereof (and not any second or subsequent period thereafter).

18.3 County's Default. County shall not be in default of any of its obligations under this Agreement unless County fails to perform such obligations within a reasonable time, but in no event less than 30 days, after written notice by LAUSD to County specifying wherein County has failed to perform such obligations; provided however, that if the nature of County's default is such that more than 30 days are required for its cure, County shall not be in default if County commences such cure within such 30 day period and thereafter diligently prosecutes the same to completion.

18.4 LAUSD Remedies. In the event of any default by County as described in Section 18.3 above, subject to all applicable laws that may restrict remedies against a county, including, but not limited to, restrictions within the California Government Code, LAUSD's remedies under this Agreement are to pursue County for specific performance and/or actual damages including

reasonable attorneys' fees and costs, resulting from County's default. LAUSD shall have no rights as a result of any default by County until LAUSD gives 30 days' notice to County, specifying in reasonable detail the nature of the default. County shall then have the right to cure such default, and County shall not be deemed in default if County cures such default within 30 days after receipt of notice of the default, or within such longer period of time as may reasonably be necessary to cure the default, provided that County commences cure within such 30 days. The notice and cure period provided in this Section 18.4 shall be deemed to be the same notice and cure period as is set forth in Section 18.3 hereof (and not any second or subsequent period thereafter).

ARTICLE XIX

ASSIGNMENT; LEASE; ENCUMBRANCES

19.1 Agreement. The rights and obligations of County under this Agreement may not be assigned by County without the prior written approval of LAUSD, which approval may be denied or conditioned in LAUSD's sole and absolute discretion. No such assignment shall relieve County of its obligations under this Agreement.

19.2 Lease. Under no circumstances shall the County lease all or part of the Premises or the Teen Health Center to any entity, except with the prior written consent of LAUSD, which consent shall not be unreasonably withheld.

19.3 Assignment by County. Under no circumstances shall County assign all or part of the Teen Health Center to any entity, except with the prior written consent of LAUSD, which consent may be withheld at LAUSD's sole and absolute discretion, and in no event shall County transfer its interest in the Teen Health Center or the Premises separate from County's interests and obligations under this Agreement. No such assignment or transfer shall relieve County of its obligations under this Agreement.

19.4 Mortgage by County. County will not, without LAUSD's prior written consent, execute a mortgage encumbering all or any portion of the right, title and estate of County in the Teen Health Center or the Premises. In the event a mortgage is allowed, then such mortgage shall at all times be subject and subordinate to, and shall not affect or become a lien upon, LAUSD's fee estate in the Premises or LAUSD's right, title or interest in the Teen Health Center.

19.5 Encumbrance. County shall not, without the prior written consent of LAUSD, encumber its interest in the Teen Health Center or the Premises, or any part thereof.

19.6 Other. Any assignment, transfer, mortgage, encumbrance or lease of, or any license, concession, franchise or other permission to use the Teen Health Center or the Premises granted by County to any person or entity shall be expressly subject and subordinate to all applicable terms and conditions of this Agreement.

19.7 LAUSD Approval. Notice of any actual or proposed assignment, transfer, mortgage, encumbrance, lease or hypothecation of the Teen Health Center, the Premises or this Agreement shall be given by County to LAUSD, together with a copy of the proposed documentation thereof (including, in the event of an assignment, the assumption document in which the assignee or proposed assignee agrees to assume all obligations of County under this Agreement), with all necessary and appropriate details for LAUSD to provide an informed approval.

19.8 Costs. County shall reimburse LAUSD for LAUSD's costs and attorney's fees incurred in conjunction with the processing and documentation of any actual or proposed assignment, transfer, mortgage, encumbrance, lease or hypothecation of the Teen Health Center, the Premises or this Agreement by County, or any license, concession, franchise or other permission to use the Teen Health Center or the Premises granted by County to any person or entity.

19.9 Assignment by LAUSD. LAUSD shall have the right at any time and from time to time during the Term or any Extension Term to sell or assign all or any portion of its fee interest in the LAUSD Property and/or the Premises; provided, however, that under no circumstances shall LAUSD assign all or part of the Premises to any entity separate from LAUSD's interests and obligations under this Agreement. Notice of any assignment or proposed assignment of this Agreement made in conjunction with such transfer shall be given by LAUSD to County at least sixty (60) days prior to such assignment or proposed assignment, together with a copy of the assumption document by which the assignee or proposed assignee agrees to assume all obligations of LAUSD under this Agreement (but no such assignment of the LAUSD Property, the Premises or LAUSD's interests or obligations under this Agreement shall require the County's approval or consent in any way).

ARTICLE XX

NOTICES

Any notice or communication required or permitted hereunder shall be given in writing, sent by (a) personal delivery delivered by a representative of the party giving such notice, or (b) overnight delivery by recognized overnight courier, or (c) United States mail, postage prepaid, registered or certified mail or (d) facsimile, addressed as follows:

If to County: Chief Executive Office, Real Estate Division
County of Los Angeles
222 South Hill Street, 3rd Floor
Los Angeles, California 90012
Attention: Director of Real Estate
Facsimile: (213) 217-4971

and a copy to: Department of Health Services
Contracts & Grants

313 N. Figueroa Street, 6th Floor East
Los Angeles, CA 90012
Attn: Director, Contracts & Grants
Facsimile: (213) 250-2958

and a copy to: County of Los Angeles County Counsel
648 Kenneth Hahn Hall of Administration
500 West Temple Street
Los Angeles, California 90012
Attention: Amy M. Caves
Facsimile: (213) 613-4751

If to LAUSD: Real Estate – Leasing & Asset Management
Los Angeles Unified School District
333 South Beaudry Avenue, 23rd Floor
Los Angeles, CA 90017
Attn: Eileen Ma, Deputy Director of Leasing & Space Utilization
Facsimile: (213) 241-6784

and a copy to: Office of General Counsel – Facilities Legal Team
Los Angeles Unified School District
333 South Beaudry Avenue, 23rd Floor
Los Angeles, CA 90017
Attn: Facilities Legal Team Leader
Facsimile: (213) 241-8386

or to such other address or to the attention of such other person as hereafter shall be designated in writing by the applicable party sent in accordance herewith. Any such notice or communication shall be deemed to have been delivered either at the time of personal delivery actually received by the addressee or a representative of the addressee at the address provided above or, if delivered on a business day in the case of delivery service or certified or registered mail, as of the earlier of the date delivered or the date 72 hours following the date deposited in the United States mail at the address provided herein, or if by telecopier, upon electronic confirmation of good receipt by the receiving telecopier. County and LAUSD hereby agree that notices may be given hereunder by the parties' respective counsel and that, if any communication is to be given hereunder by County's or LAUSD's counsel, such counsel may communicate directly with all principals as required to comply with the provisions of this Article XX.

ARTICLE XXI

MISCELLANEOUS

21.1 Partial Invalidity; Construction. If any term or provision of this Agreement or the application thereof to any person or circumstance shall to any extent be invalid or unenforceable, the remainder of this Agreement, or the application of such term or provision to persons or circumstances other than those as to which it is invalid or unenforceable, shall not be affected

thereby, and each term and provision of this Agreement shall be valid and be enforced to the fullest extent permitted by law. In the event that this Agreement is terminated prior to the Expiration Date due the invalidity or unenforceability of any term or provision of this Agreement, the parties hereto agree to use good faith efforts to enter into a new agreement or agreements in substantially similar form to this Agreement, correcting or removing the invalid or unenforceable term or provision, in order to carry out the purpose of this Agreement, namely to develop, maintain and operate a Teen Health Center on the Premises for a total period of forty (40) years.

21.2 Intentionally Omitted

21.3 Captions. The captions and headings in this Agreement are inserted only as a matter of convenience and for reference, and they in no way define, limit or describe the scope of this Agreement or the intent of any provision thereof.

21.4 Choice of Law. This Agreement shall be governed and construed by the laws and courts of the State of California.

21.5 Interpretation. This Agreement shall be deemed to be jointly prepared by both of the parties hereto, and any ambiguities or uncertainties herein shall not be construed for or against either of the parties hereto.

21.6 Further Assurances. LAUSD and County agree to execute all documents and instruments reasonably required in order to consummate the transactions contemplated under this Agreement.

21.7 Attorneys' Fees. In the event either party hereto should commence an action against the other to enforce any obligation set forth herein (including, but not limited to, arbitration), the unsuccessful party shall pay to the prevailing party its reasonable cost of litigation or arbitration, including reasonable attorneys' fees, whether or not the suit is brought to judgment or conclusion in arbitration.

21.8 Counterparts. This Agreement may be executed in one or more counterparts, each of which may be deemed an original, but all of which together shall constitute one and the same instrument.

21.9 Entire Agreement. This Agreement contains all of the agreements of the parties hereto with respect to the matters covered hereby, and no prior agreements, oral or written, or understandings or representations of any nature whatsoever pertaining to any such matters shall be effective for any purpose unless expressly incorporated in the provisions of this Agreement. The provisions of this Agreement shall not be amended or altered except by an agreement in writing signed by both of the parties hereto prior to its becoming effective.

21.10 Successors and Assigns. This Agreement shall be binding upon and inure to the benefit of the heirs, executors, administrators, transferees, successors and permitted assigns of the respective parties hereto.

21.11 Time Is of the Essence. Time is of the essence with respect to the performance or observance of each of the obligations, covenants and agreements under this Agreement.

21.12 Gender. As used herein, the neuter gender includes the feminine and the masculine, the masculine includes the feminine and the neuter and the feminine includes the masculine and the neuter, and each includes corporation, partnership or other legal entity when the context so requires.

21.13 Waiver. Either party may waive the satisfaction or performance of any conditions or agreements in this Agreement which have been inserted for its own benefit, so long as the waiver is signed and specifies the waived condition or agreement and is delivered to the other party hereto. No waiver of any provision hereof shall be deemed a waiver of any other provision hereof. Consent to or approval of any act by one of the parties hereto shall not be deemed to render unnecessary the obtaining of such party's consent to or approval of any subsequent act, nor shall any custom or practice which may grow up between the parties in the administration of the terms hereof be deemed a waiver of, or in any way affect, the right of one of the parties to insist upon the performance by the other party in strict accordance with said terms.

21.14 Cumulative Remedies. No remedy herein shall be considered exclusive of any other remedy, but the same shall be cumulative and, except as set forth in Section 18.2 above, shall be in addition to every other remedy given hereunder now or hereafter existing at law or in equity or by statute, and every power and remedy given by this Agreement may be exercised from time to time and as often as occasion may arise or as may be deemed expedient.

21.15 No Subordination. Nothing contained in this Agreement shall be deemed to subordinate the fee interest of LAUSD in the LAUSD Property or the Premises to the interest of County.

21.16 [Intentionally Deleted.]

21.17 Force Majeure. All time periods set forth in this Agreement shall be extended by one day for each day of Force Majeure Delay that occurs, so long as the party whose performance is delayed notifies the other party in writing of the commencement of such Force Majeure Delay no later than 45 days after the actual commencement of such Force Majeure Delay (which notice shall mention this Section 21.17 by number and reasonably describe the nature of the delay and the commencement date thereof). "Force Majeure Delay" shall mean any actual delays due to strikes, lockouts or other labor disturbance, civil disturbance, riot, sabotage, blockage, embargo, inability to secure materials, supplies or labor through ordinary sources by reason of regulation or order of any government or regulatory body, severe or unusual shortages of material, supplies or labor, lightning, rain, earthquake, fire, storm, hurricane, tornado, flood, washout, explosion, terrorist act, or any other cause outside of LAUSD's or County's reasonable control similar to the foregoing; provided, however, that, notwithstanding the foregoing, County shall in any event pay any sum of money required to discharge any lien pursuant to Article XI hereof if at any time the Premises or the LAUSD Property, or improvements thereon, or any part thereof, shall be in danger of being foreclosed, forfeited or lost.

21.18 Reimbursement Charges. Notwithstanding anything to the contrary set forth in this Agreement, other than in the context of a default under this Agreement, the parties shall reasonably cooperate with each other to minimize any and all reimbursement obligations under this Agreement.

21.19 Incorporation. The terms and conditions of Exhibits A, B, C, D, E and F attached hereto are incorporated herein by this reference thereto.

21.20 Days. The word “days” as used in this Agreement shall mean and refer to calendar days. If the time period for the performance of any act under this Agreement expires on a Saturday, Sunday or any other day in which banking institutions in the State of California are authorized or obligated by law or executive order to close (“Holiday”), the act in question may be performed on the next succeeding day that is not a Saturday, Sunday or Holiday.

21.21 Signatures. Upon receiving a confirmation of receipt, either party hereto may rely on the facsimile signature of the other party hereto as if the party executing the document had hand delivered an ink-signed original of such document.

[Remainder of page intentionally left blank.]

IN WITNESS WHEREOF, LAUSD and County have executed this Agreement as of the above Execution Date.

LAUSD:

LOS ANGELES UNIFIED SCHOOL DISTRICT,
a school district duly organized and existing under the laws
of the State of California

I hereby certify that pursuant to
Section 25103 of the Government Code,
delivery of this document has been made

SACHI A. HAMAI
Executive Officer
Clerk of the Board of Supervisors

By: [Signature]
Deputy

NOV 19 2013

By: [Signature]
Name: KRISTINA TRES
Title: Director Asset Management

COUNTY:

COUNTY OF LOS ANGELES,
a body corporate and politic

By: [Signature]
Chairman, Board of Supervisors



ATTEST:

SACHI A. HAMAI
Executive Officer-Clerk of
The Board of Supervisors

By: [Signature]
Deputy

NOV 19 2013

APPROVED AS TO FORM:

JOHN F. KRATTLI
County Counsel

By: [Signature]
Deputy

ADOPTED
BOARD OF SUPERVISORS

#30 NOV 19 2013

[Signature]
SACHI A. HAMAI
EXECUTIVE OFFICER

78071

EXHIBIT A

Legal Description of the LAUSD Property Licensed to County

[Please See Attached]

**LEGAL DESCRIPTION
SAN FERNANDO HIGH SCHOOL TEEN CLINIC**

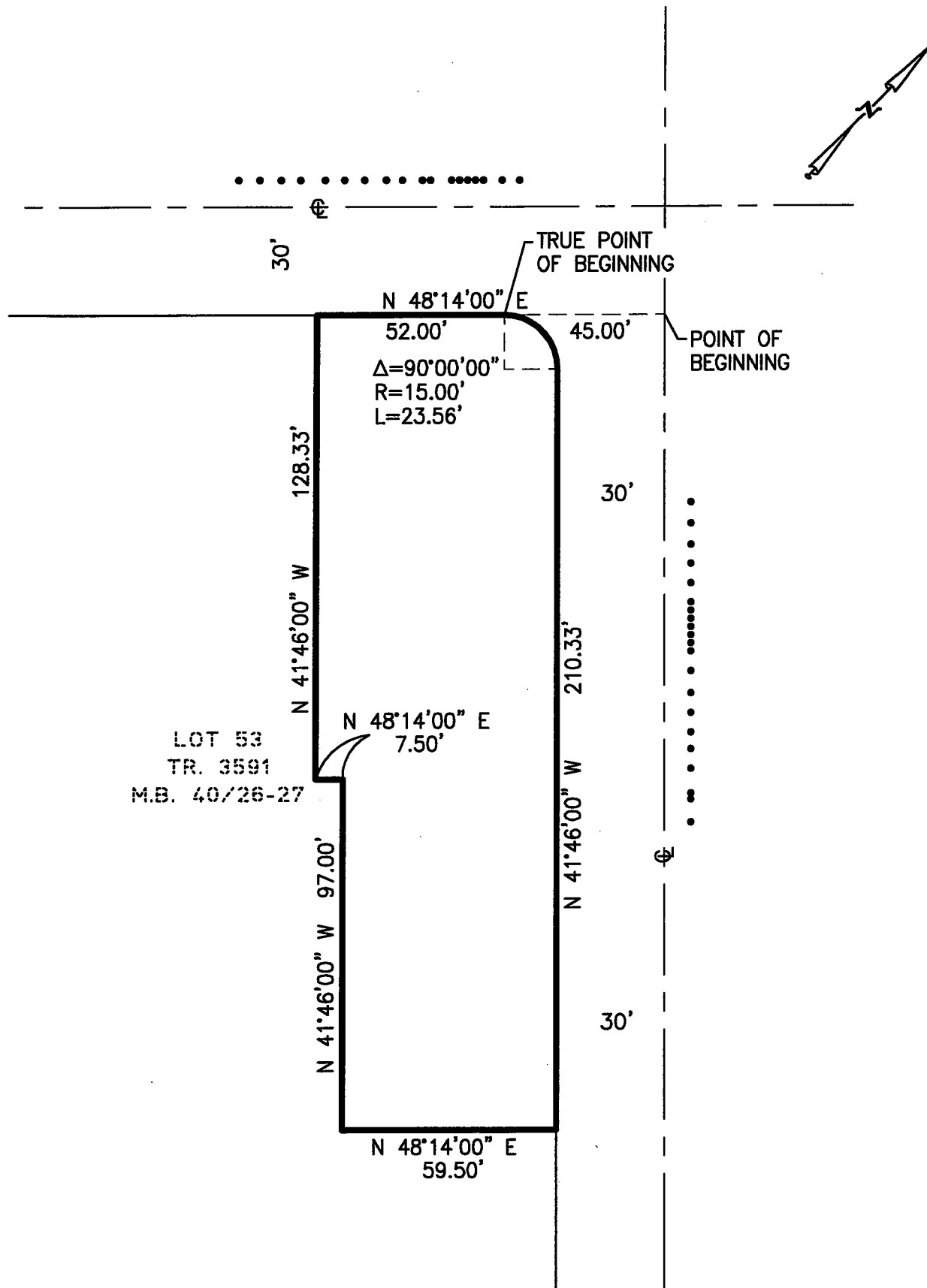
THAT PORTION OF LOT 53 OF TRACT NO. 3591 IN THE CITY OF LOS ANGELES, COUNTY OF LOS ANGELES, STATE OF CALIFORNIA, AS RECORDED IN BOOK 40 PAGES 26 AND 27 OF TRACT MAPS IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY, MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGINNING AT THE NORTHERLY MOST CORNER OF SAID LOT 53 OF SAID TRACT NO. 3591, SAID POINT LYING ON THE CENTERLINE OF O'MELVENY AVENUE, 60.00 FEET WIDE, THENCE SOUTHWESTERLY ALONG THE NORTHWESTERLY LINE OF SAID LOT 53 SOUTH 48°14'00" WEST 45.00 FEET TO THE TRUE POINT OF BEGINNING; THENCE CONTINUING ALONG SAID NORTHWESTERLY LINE SOUTH 48°14'00" WEST 52.00 FEET; THENCE SOUTH 41°46'00" EAST 128.33 FEET; THENCE NORTH 48°14'00" EAST 7.50 FEET; THENCE SOUTH 41°46'00" EAST 97.00 FEET; THENCE NORTH 48°14'00" EAST 59.50 FEET TO A LINE PARALLEL TO AND 30.00 FEET SOUTHWESTERLY OF, MEASURED PERPENDICULAR TO, THE CENTERLINE OF O'MELVENY AVENUE; THENCE NORTHWESTERLY ALONG SAID PARALLEL LINE NORTH 41°46'00" WEST 210.33 FEET TO THE BEGINNING OF A TANGENT CURVE CONCAVED SOUTHERLY HAVING A RADIUS OF 15.00 FEET; THENCE NORTHWESTERLY, WESTERLY AND SOUTHWESTERLY ALONG SAID CURVE THROUGH A CENTRAL ANGLE OF 90°00'00" AND AN ARC LENGTH OF 23.56 FEET TO THE POINT OF BEGINNING.

SAID PARCEL CONTAINS 14,322 S.F. (0.33 ACRES) MORE OR LESS.

Zvi Plotnik 4/02/12
ZVI PLOTNIK, R.C.E. 29604, EXP. 3/31/13 DATE





**Plotnik &
Associates**

.....
.....	1" = 40' 4/2/12
...	JEK 424.00

CLOSURE CALCULATION

North: 252.6867 East: 314.9896
Course: S 48-14-00 W Distance: 52.00
North: 218.0496 East: 276.2047
Course: S 41-46-00 E Distance: 128.33
North: 122.3304 East: 361.6873
Course: N 48-14-00 E Distance: 7.50
North: 127.3262 East: 367.2813
Course: S 41-46-00 E Distance: 97.00
North: 54.9774 East: 431.8929
Course: N 48-14-00 E Distance: 59.50
North: 94.6103 East: 476.2718
Course: N 41-46-00 W Distance: 210.33
North: 251.4902 East: 336.1690
Arc Length: 23.56 Radius: 15.00 Delta: -90-00-00
Tangent: 15.00 Chord: 21.21 Ch Course: N 86-46-00 W
Course In: S 48-14-00 W Out: N 41-46-00 W
Ctr North: 241.4988 East: 324.9811
End North: 252.6867 East: 314.9896

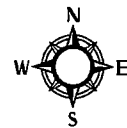
Perimeter: 578.23

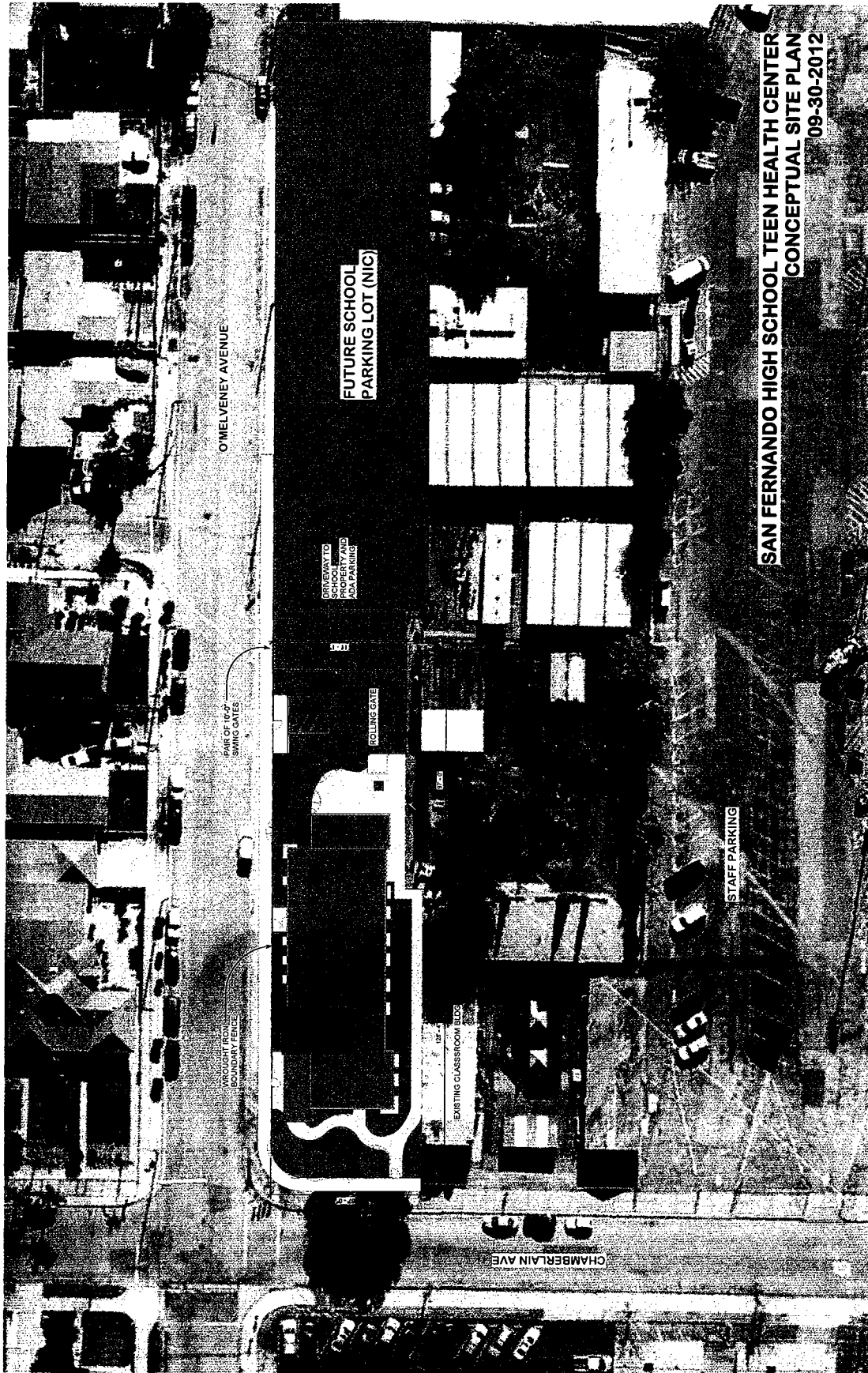
Area: 14321.55 0.33 acres

EXHIBIT B

San Fernando High School Site Plan

[Please See Attached]





SAN FERNANDO HIGH SCHOOL TEEN HEALTH CENTER
CONCEPTUAL SITE PLAN
09-30-2012

EXHIBIT C

PROJECT SCHEDULE

[Please See Attached]

<u>Project Activity</u>	<u>Scheduled Completion Date</u>
Prequalify Design-Build Firms	03/20/13*
Receive Prequalified Design-Build Firms Proposals	06/27/13*
Determination of Successful Design-Build Firm	08/28/2013*
Board Approval	11/19/2013
Notice To Proceed to Design-Builder	11/20/13/2013
Construction Documents/Jurisdictional Approvals	By Design-Builder
Construction Start	By Design-Builder
Construction Substantial Completion	1/15/2015
Project Acceptance	05/15/2015

*Indicates actual date

EXHIBIT D

Form of Payment and/or Performance Bond

FAITHFUL PERFORMANCE BOND

WHEREAS the County of Los Angeles, a body politic and corporate duly organized under the laws of the State of California, hereinafter called COUNTY, and

hereinafter called CONTRACTOR, have entered into a Contract, which is incorporated by reference herein in its entirety, dated:

for:

Contract Amount:

NOW, THEREFORE, CONTRACTOR, as Principal, and _____ as Surety, are held and firmly bound to COUNTY in the amount set forth under the bond, for the payment whereof in the manner specified, the CONTRACTOR and Surety bind themselves, their heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these presents:

FAITHFUL PERFORMANCE BOND

In an amount equal to One Hundred Percent (100%) of the above Contract Amount. The condition of this obligation is that if the CONTRACTOR shall in a workmanlike manner promptly, competently, and faithfully perform all of the terms and conditions of the Contract in strict conformity therewith, then this obligation shall be null and void, otherwise it shall remain in full force and effect.

The Surety, for value received, hereby stipulates and agrees that no adjustment to the Contract Amount and or Contract Times, alteration, additions and/or deletions to the terms of the Contract, or to the work to be performed thereunder, shall in anyway affect its obligations on the above bond, and it does hereby waive notice of any such change, adjustment, alteration, addition or deletion to the terms of the Contract Documents. The Surety hereby acknowledges and agrees that COUNTY may assign its rights herein to the LOS ANGELES UNIFIED SCHOOL DISTRICT without the consent of Surety.

In case any suit is brought upon this bond, reasonable attorneys' fees shall be awarded to the prevailing party, only the amount thereof being within the Court's discretion. Attorneys' fees awarded against the Surety can exceed the penal sum of this bond.

Signed and sealed this _____ day of _____ 201_.

CONTRACTOR

SURETY

By

Attorney-in-Fact

By
Title

Address
Telephone Number
Bond Number

COUNTY will obtain the following certification:

CERTIFICATION BY LOS ANGELES COUNTY CLERK'S OFFICE

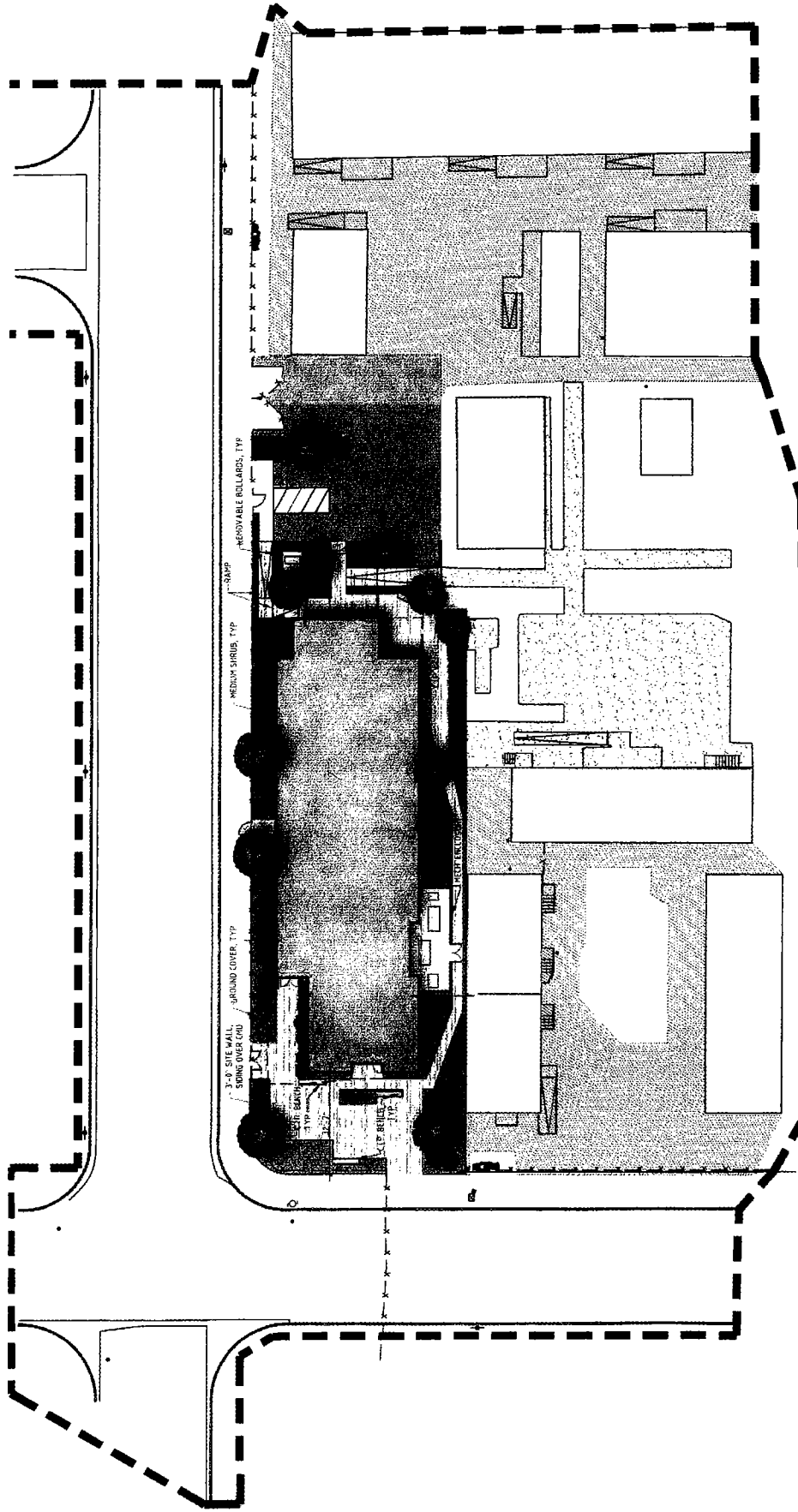
I hereby certify:

1. The named Surety is currently certified by the State Insurance Commissioner as an admitted Surety Insurer and such authority is in full force and effect.
2. This office has on file the financial statement of the named surety for the period ending _____ showing capital and surplus not less than ten (10) times the Contract Amount.

EXHIBIT E

Conceptual Drawings

[Please See Attached]

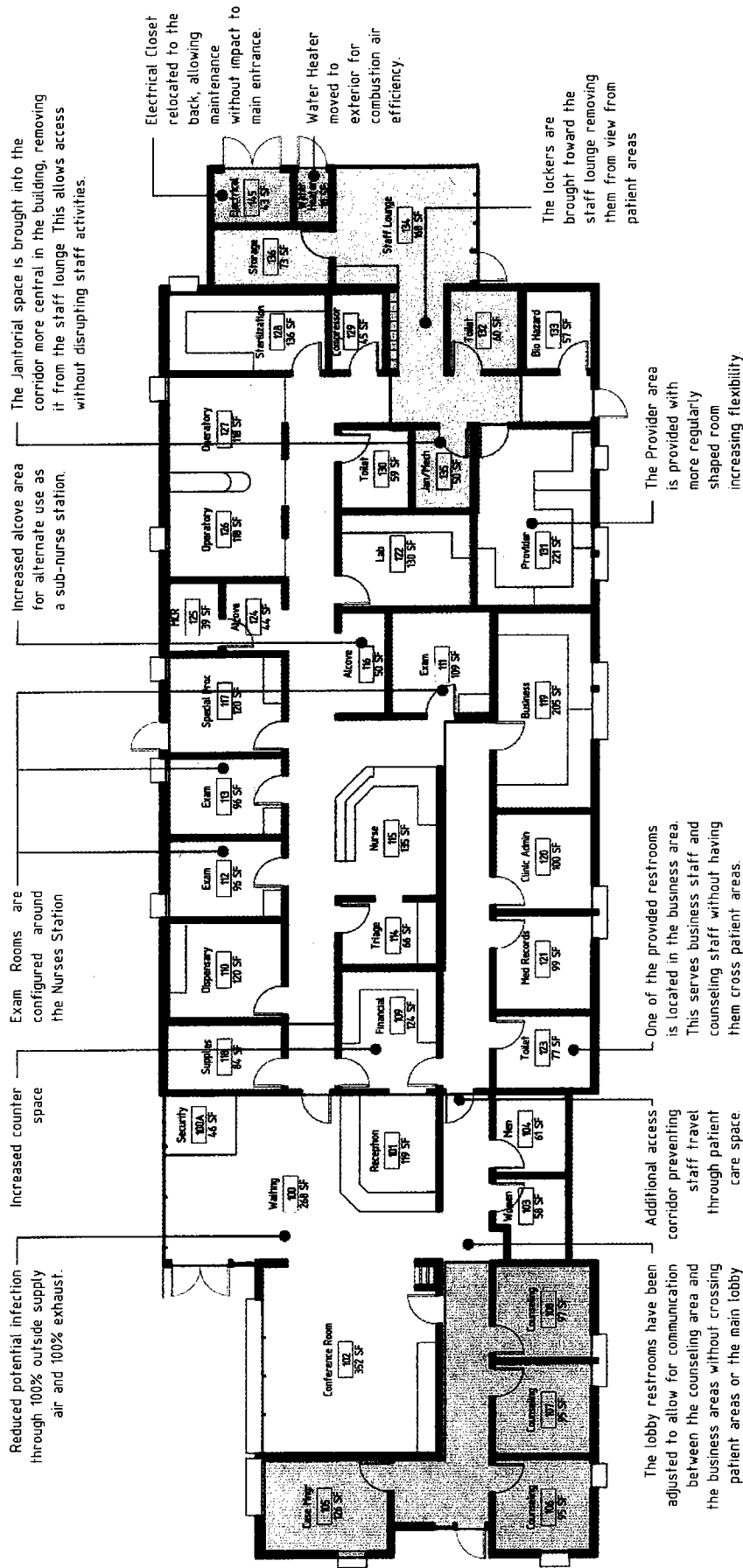


SITE PLAN A1.0 scale: 1/32"=1'-0"

County of Los Angeles Department of Public Works
San Fernando High School Teen Health Center

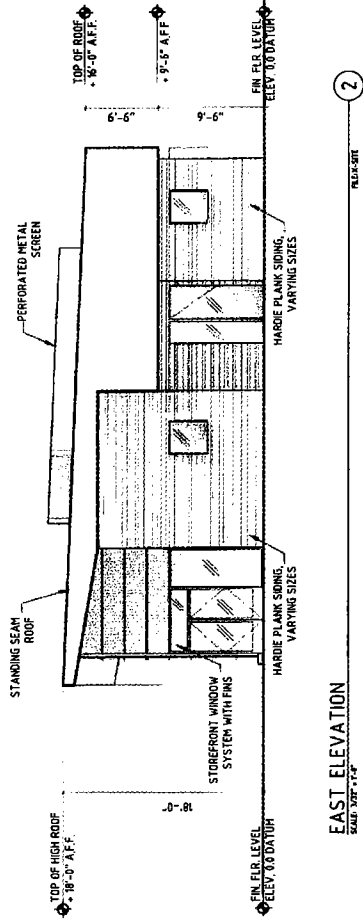
osborn



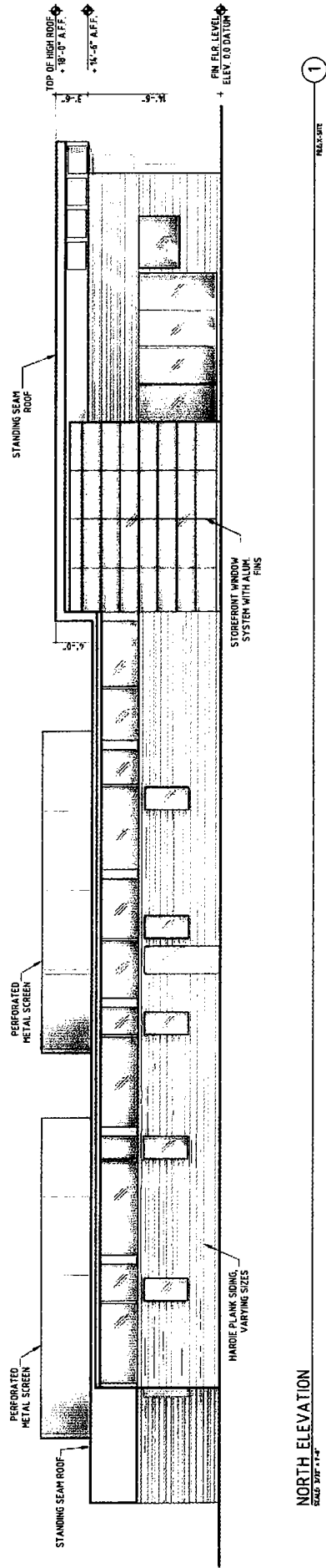


Zones Public Administration Primary Care/Dental/Ancillary Mental Health Shared Staff Support Service

PLAN CONCEPTS **A2.1**
scale: 3/32" = 1'-0"



EAST ELEVATION
SCALE 3/32" = 1'-0"



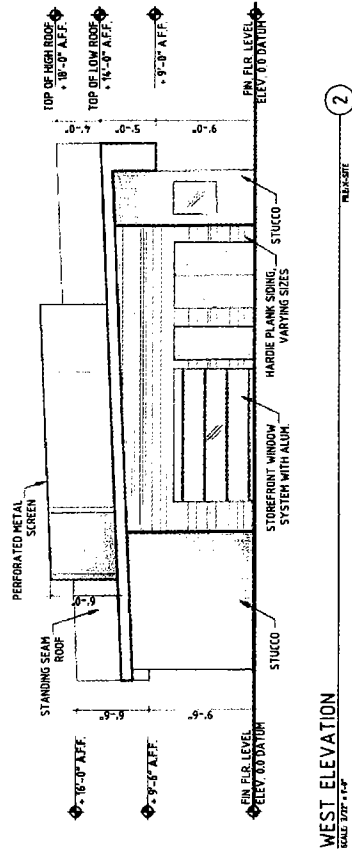
NORTH ELEVATION
SCALE 3/32" = 1'-0"



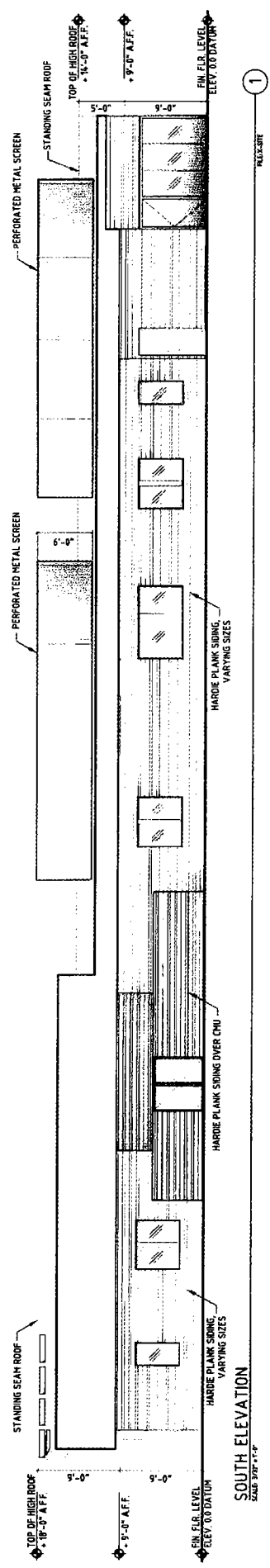
osborn

County of Los Angeles Department of Public Works
San Fernando High School Teen Health Center

ELEVATIONS A4.0
scale: 3/32"=1'-0"



WEST ELEVATION
SCALE 3/32" = 1'-0"



SOUTH ELEVATION
SCALE 3/32" = 1'-0"

ELEVATIONS A4.1
scale: 3/32" = 1'-0"

EXHIBIT F

**LAUSD and North East Valley Health Center Operating Agreement for School-Based Health
Center**

[Please See Attached]

OPERATING AGREEMENT FOR SCHOOL-BASED
HEALTH CENTER

(LEAD SCHOOL)

(PROVIDER)

This Agreement is entered into between _____ hereafter referred to as "Provider" and Los Angeles Unified School District, hereafter referred to as "District," for the purpose of operating a School-based Health Center (Health Center) on the campus of District school(s). It is recognized that the provisions of this Agreement shall be construed in a manner not inconsistent with the California Education Code, other applicable laws of the State of California, and applicable federal law.

In furtherance of the foregoing purpose, Provider and District agree as follows:

1. **Term of Agreement.** This agreement shall be effective from _____ to _____. It is the intention of the parties to renew this Agreement or negotiate subsequent Agreements at five-year intervals and continue to operate the center as a health center or other licensed health care center.
2. **Location.** The location of the Health Center and delivery of ("Services") will be on the premises of _____ and additional sites, if any (hereafter referred to as "School(s)"), as described in Exhibits A, B, C, D, and E (if applicable), attached hereto and made a part hereof. Additional School-based Health Centers or feeder schools may be added by amendment executed by both parties. The District, after consultation with Provider, shall designate those facilities on the school campus(es) that will be used as the Health Center facility, which shall be specified in the occupancy provisions set forth in Exhibit D attached hereto and made a part hereof. The Provider shall be responsible for maintenance of spaces and utilities or a usage fee, as further set forth in Exhibit D.
3. **Description of Services.** (See Exhibit A for details concerning provision of

OPERATING AGREEMENT FOR SCHOOL-BASED
HEALTH CENTER

(LEAD SCHOOL)

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additional specific services). Primary care and case management shall be provided in a manner that is linguistically appropriate and culturally sensitive to the community to be served. At a minimum, Provider shall include the following services:

- A. Physical examinations
- B. Diagnosis and treatment of illness
- C. Immunization and Mantoux testing
- D. Medication prescribing and dispensing services
- E. Laboratory services
- F. Family PACT (Planning, Access, Care Treatment), including diagnosis and treatment of sexually transmitted infections (as allowable under California minor consent services)
- G. Clerical and translation/interpretation services
- H. Referrals for additional care where indicated (Provider will make its best efforts for referrals as may be appropriate to the patient's needs.)
- I. Screening, informing, and linkage to enrollment assistance regarding appropriate health insurance and access programs
- J. Clinical case management of chronic disease including obesity and Asthma
- K. Consultation and coordination with School Health and Human Services personnel.

4. Population Served. The population served by the Health Center shall be primarily Students enrolled in the school on which the Health Center is sited; Students enrolled at

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nearby schools or education programs: family members of Students, including parents and siblings; and community members residing in the area surrounding the school.

In an effort to maximize utilization of Provider's services, the parties agree to establish a goal of providing access to 100 percent of the school student population by being open during times that all students can access services.

Provider will make best efforts to participate in any other District efforts to improve the health care status of children, connect students to a medical home and ensure a clinical pathway of care for children with chronic illness such as asthma and diabetes. Provider will have the capacity to provide a patient centered medical home for Health Center clients by January 2014.

5. Outreach and Enrollment. The District and Provider will work together to identify uninsured students and to provide assistance to enroll students in free, low-cost, and sliding scale health benefit programs available in Los Angeles County. District and Provider agree as follows:

A. District shall:

1. Identify a District Liaison for outreach and enrollment efforts who will respond to Provider requests for information, policy clarifications, and work with Provider regarding all aspects of program coordination.
2. Include Provider in health fairs, conferences, and media events scheduled within its area that are sponsored by District and that are relevant to healthcare outreach and enrollment efforts of the partnership.
3. Provide District Children's Health Access and Medi-Cal Programs (CHAMP) trainings and training materials as mutually agreed to by each party.
4. Provide CHAMP HELPLINE support to families and Provider staff and provide information to Provider on *Public Charge* issues.

B. Provider shall:

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1. Coordinate outreach and enrollment activities with local District CHAMP liaison and provide activities data on a quarterly basis using the CHAMP *Outreach and Enrollment Report*.
2. Fully inform families of all public and privately sponsored health insurance programs (e.g. Medi-Cal, Emergency Medi-Cal, Healthy Families, Healthy Kids, Kaiser Child Health Plan, and Child Health, Disability and Prevention (CHDP), and not charge any fee to District students or families for outreach and enrollment services.
3. Comply with all laws, regulations and policies relating to the protection of any confidential or personal information pertaining to students or their parents that Provider may obtain from District, including understanding and compliance with District Bulletin 1077.1.
4. Assist families in selecting a primary care provider by first trying to identify any existing provider relationship and then, if none exists, provide them with several options which may include school-based Health Centers, Wellness Centers, community clinics and/or other community resources.
5. Provider will include CHAMP HELPLINE contact information with in-school outreach and enrollment activities.

6. **Access to Services.** No student shall be turned away, barred or delayed in receiving Services, based on a student's payor status or ability to pay. Provider shall neither design nor deploy programs in such a manner as to exclude or disadvantage low-income or uninsured students nor to advantage students with third-party payors or other financial means.

To modify utilization patterns toward primary and preventive care, Provider shall work towards offering services in time frames and formats most conducive to the utilization of primary and preventive care by low-income students.

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7. Required Consent for Treatment.

A. Minor Consent: Minors 12 years or older may consent, without parental permission, to the following services:

1. Mental health treatment or counseling on an outpatient basis, or residential services as defined in California Family Code Section 6924(b)(1) and (2). Minor consent shall be provided in accordance with Section 6924. Parental consent, however, shall be obtained prior to a minor receiving convulsive therapy or psychosurgery, or psychotherapeutic or psychotropic drugs.
2. Medical care or treatment relating to an infectious, contagious, or communicable disease, or relating to a sexually transmitted disease as defined in California Family Code Section 6926. Minor consent shall be provided in accordance with Section 6924.

Minors of any age may consent, without parental permission, to the following services:

3. Medical care relating to the prevention, diagnosis or treatment of pregnancy as set forth in California Family Code Section 6925.
4. Medical care relating to the diagnosis or treatment of sexual assault or rape. The health care provider must attempt to contact the minor's parent/guardian as set forth in California Family Code Section 6928.

Provider shall assume responsibility for obtaining and verifying with minor the age of minor. Provider shall maintain minor consent forms on file.

B. Informed Consent of Parent/Guardian shall be obtained for all other medical, dental or psychological services or treatments rendered to a minor, which are not exempt under Family Code Sections 6924, 6925, 6926, and 6928. When parents are informed about the availability of a service at the Health Center, it must be made clear that the Provider's services are not part of the regular and ongoing programs of the District. The service is being made available as

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a convenience, by bringing Provider personnel to the campus where students can have greater access to services.

Provider shall obtain written parental consent on a District approved form prior to providing medical, dental, or mental health services that require parental consent. The District approved consent form shall be attached hereto as Exhibit E. Provider and District shall mutually agree to any changes to the content of the parent/guardian consent form that is to be used. Provider shall assume responsibility for obtaining, verifying with parent/guardian, and maintaining written consent on file.

- C. Students Consent: Students who have either reached the age of eighteen (18), or become emancipated minors as defined by California Family Code Section 6922 or 7002, may consent for their own medical or mental health, vision, dental, and/or related health treatment.

8. Articulation Between Provider and School/District. Regular meetings should be held between the Provider and District staff to address any issues of concern in a timely manner. Health Center planning teams (described in section 18) may serve this function. These meetings should also address routine referral and communication and data sharing between entities. Sensitive information may be uncovered in the course of counseling and treatment services and it is helpful for the principal and/or other staff to confirm exactly how the Provider will handle information which affects the student, such as physical or sexual abuse allegations, child neglect, drug/alcohol abuse, criminal activity in the home, threat to self or others, etc. All such communication is to be shared in accordance with applicable law to protect student confidentiality.

9. Hours of Service. Hours of operation shall be determined by mutual agreement. Hours may include:

- A. Evening and weekend services

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- B. Walk-in services
- C. Same day appointments
- D. Outreach to difficult to reach populations

Provider shall maintain, at a minimum, the hours of operation indicated on Exhibit A. Contemplated changes in the hours of operation shall be communicated at least ten (10) calendar days in advance to Director, Community Partnerships and Medi-Cal Programs, hereafter referred to as Director, for his/her concurrence. By the beginning of the third year of the agreement, the Provider must be open at least 40 hours per week.

10. Non-Discrimination in Services. Provider shall not unlawfully discriminate in the provision of Services because of race, color, religion, national origin, ancestry, sex, sexual orientation, age, or condition of physical or mental handicap, marital status, or political affiliation, or on any other basis prohibited under federal or state law. Prohibited discrimination includes, but is not limited to the following:

- A. Denying any person any service or benefit of the availability of a facility;
- B. Providing any service, or benefit to any person, which is not equivalent, or is not provided in an equivalent manner at a non-equivalent time, from that provided to others;
- C. Subjecting any person to segregation or separate treatment in any matter related to the receipt of any service or benefit;
- D. Restricting any person in any way in the enjoyment of any advantage or privilege enjoyed by others receiving any service or benefit;
- E. Treating any person differently from others in determining enrollment quota, eligibility, or any other requirements or conditions which persons must meet in order to be provided any service or benefit.

11. Staffing. Provider shall adhere to applicable personnel standards of Title 22 of the

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California Health and Safety Code ("Title 22"), and all other appropriate and applicable standards imposed by law or regulation.

- A. All Provider staff shall be deployed into a staffing configuration that allows for the supervision required by Title 22 and all other applicable laws and regulatory requirements.
- B. Provider shall be solely responsible for staffing of the Health Center for medical or mental health, dental, vision and/or related health services as set forth in this Agreement. Provider shall attempt to employ a sufficient number of staff that is linguistically and culturally competent. Provider certifies that staff and/or trainees providing the services are adequately trained and prepared according to prevailing professional standards for providing such services and that personnel providing medical, dental and/or mental health services are licensed or otherwise legally qualified.
- C. Provider shall obtain and maintain in effect during the term of this Agreement, all licenses, permits, registrations, and certificates required by law which are applicable to their performance hereunder. Copies of current licenses, permits, registrations and certifications required by Applicable Law for all Provider personnel providing Services, shall be maintained in Provider personnel files, and/or Health Center site(s) when required by District policy, posted as required by Applicable Law, and made available for review upon request by the Director or other authorized person or agency.
- D. Provider shall ensure that its staff providing Services regularly participate in appropriate continuing educational programs or activities to maintain their licenses, permits, registrations, and certifications. Evidence of participation in such programs shall be maintained in Provider personnel files and made

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available for review upon request by the Director or other authorized person or agency.

- E. Provider shall assure that its employees, subcontractors and agents providing Services to students are adequately screened so as to prevent the assignment of personnel who may pose a threat to the safety and welfare of students, and that all such personnel shall provide evidence of freedom from tuberculosis for a period within six (6) months prior to the onset of Service and provide certification every four (4) years thereafter.
- F. Provider certifies that its staff/trainees will follow legal guidelines on reporting child abuse/neglect, and that staff/trainees in contact with students meet District guidelines on reporting child abuse/neglect, follow District guidelines for follow-up where a student poses a threat to self or others, and shall work with District to serve children identified with special needs to achieve appropriate accommodations or modifications in their educational programs.
- G. For those employees of Provider not subject to the jurisdiction of the Medical Board of California, California Board of Registered Nursing, Board of Behavioral Science Examiners of California, California Board of Psychology, or the Dental Board of California, Provider shall comply with the requirements of California Education Code Section 45125.1 concerning fingerprinting and perform the following acts:
 - 1. Require all current and subsequent employees of Provider who may enter a school site during the time that students are present to submit their fingerprints in a manner authorized by the California Department of Justice (the "CDOJ");

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2. Prohibit employees of Provider from coming into contact with pupils until the CDOJ has ascertained that the employee has not been convicted of a felony as defined in California Education Code Section 45122.1;
 3. Certify in writing to the District that neither Provider nor any of Provider's employees who may enter a school site during the time that pupils are present have been convicted of a felony as defined in California Education Code Section 45122.1 and provide such certification to the District administrator for this Contract;
 4. Provide a list of the names of Provider's employees who may have contact with pupils to the school principal, Operations Administrator or other administrator who places the Order for Services leading to that contact. This list shall be updated for employee changes and shall list employees by appropriate school site. (See Service Delivery Application, Exhibit A).
- H. The District may require Provider and its employees who may have contact with students to submit to additional background checks at the District's sole and absolute discretion.
- I. Provider shall arrange for a Medical Director for the Health Center. The Medical Director shall supervise the administration of all medical or mental health, dental, vision, and/or related health services provided through this Agreement so as to meet all requirements relating to the provision of medical or mental health, dental, vision, and/or related health services in the State of California.
- J. By mutual agreement, Provider and/or District shall identify a person who has responsibility for making decisions concerning Health Center Services.

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- K. Provider warrants that it fully complies with all federal statutes and regulations regarding employment of aliens and others, and that all of its employees performing Services hereunder meet the citizenship or alien status requirements contained in federal statutes and regulations.

12. Non-Discrimination in Employment. Provider shall comply with applicable federal and California anti-discrimination laws, including, but not limited to, the California Fair Employment and Housing Act, beginning with Section 12900 of the California Government Code. Provider shall employ qualified applicants, and shall affirm that, in connection with all work performed under this Agreement, there shall be no unlawful discrimination against any employee or applicant for employment because of race, color, religious creed, national origin, ancestry, marital status, sex, sexual orientation, age, disability, medical condition or potential affliction and therefore the Provider agrees to comply with applicable federal and state laws. In addition, the Provider agrees to require like compliance by all subcontractors employed on the work site.

13. Conflict of Interest. Provider represents that Provider has no existing financial interest and will not acquire any such interest, direct or indirect, which could conflict in any manner or degree with the performance of services required under this Agreement and that no person having any such interest shall be subcontracted in connection with this Agreement, or employed by Provider. Provider shall not conduct or solicit any non-District business while on District property or time. Provider will also take all necessary steps to avoid the appearance of a conflict of interest and shall have a duty to disclose to the District prior to entering into this Agreement any and all circumstances existing at such time which pose a potential conflict of interest.

Provider warrants that it has not directly or indirectly offered or given, and will not directly or indirectly offer or give, to any employee, agent, or representative of District any cash or non-cash gratuity or payment with view toward securing any business from

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District or influencing such person with respect to the conditions, or performance of any contracts with or orders from District including, without limitation, this Agreement. Any breach of this warranty shall be a material breach of each and every contract between District and Provider.

As a condition of this Agreement, Provider agrees to comply with the code of ethics set forth in the Los Angeles Unified School District Contractors and Consultants Code of Conduct which is attached hereto as Exhibit C and made a part hereof.

Should a conflict of interest issue arise, Provider agrees to fully cooperate in any inquiry and to provide the District with all documents or other information reasonably necessary to enable the District to determine whether or not a conflict of interest existed or exists.

Failure to comply with the provisions of this section shall constitute grounds for immediate termination of this Agreement, in addition to whatever other remedies the District may have.

14. Performance Goals. It is the parties' desire to maximize use of medical or mental health, dental, vision, and/or related health services offered by Provider. In order to maximize such use, the parties agree to meet the service goals referenced in the Scope of Work (Exhibit B) and updated annually thereafter.

15. Quality Assurance/Quality Improvement.

- A. Provider shall cooperate in active and effective quality assurance functions, to assure that necessary and appropriate services are provided in a timely manner to students seeking services at the School-based Health Center and that such services are reflected in the students' medical records with appropriate and complete documentation. Quality assurance, will include but

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not limited to, reporting of Health Center data related to patient-level services (quality of services, access to services, health-related outcomes of clients, extent to which clinic is functioning as a medical home), and these data may be requested through the evaluation and performance monitoring of the Health Center.

- B. Provider shall at all times demonstrate expertise in and a commitment to assessing and improving the quality of services. Provider agrees to cooperate with the District to objectively monitor and evaluate services provided by the Provider. The District may from time to time conduct student satisfaction and Quality Assurance studies to ensure the consistency and integrity of the results of the studies in comparing them with other facilities and best practices. Provider may from time to time conduct student satisfaction and Quality Assurance studies, and agrees to share the results of such studies with the District.
- C. Provider shall investigate and respond appropriately to all quality issues, and shall work with the District to resolve any quality and accessibility issues related to services provided to students. As soon as reasonably possible, Provider shall remedy any condition at the facilities related to the care of students, which has been reasonably determined by the District or by any governmental agency to be unsatisfactory. Provider and the District shall work together to continuously improve the care and service provided to students and to resolve problems related to the provision of services.
- D. Provider agrees to review the practice patterns of its professionals and other Provider staff, and to review services provided by them. Provider agrees to use its best efforts to correct any problems occurring in the school health center site that are identified. Provider will report any self identified problems,

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and any issues cited by external government agencies to the District and will comply with the Quality Assurance plan agreed upon between the Provider and the District.

- E. Provider and District shall take corrective action in any deficiencies identified through site reviews by District, federal, state or local government agencies. Corrective action shall be accomplished within sixty (60) calendar days, except that if the deficiencies compromise the quality of care delivered under this Agreement, Director may suspend this Agreement.
- F. Auditing. Provider understands and agrees that District will have access to records pertaining to the performance of Services under the Agreement unless such disclosure would be prohibited by state or federal laws protecting the confidentiality of medical records or other personal information. All such inspections and reviews shall be conducted following at least a five (5) calendar day written or facsimile notice by Director to Provider, or sooner if Provider agrees, during Provider's normal hours of operation, in a manner that will not interfere with the provision of care. District's right shall also include access at reasonable times to Provider's office and facilities for the purpose of interviewing employees and inspecting and copying of such books, records, accounts and other material which may be relevant to a matter under investigation. Provider's failure to provide records or access within the time requested shall preclude Provider from receiving any payment due under the Agreement until such documents are provided. Provider agrees to maintain such records for a period of seven (7) years after the expiration of this Agreement.
- G. Complaint and Conflict Resolution.

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Complaints: Provider shall use its best efforts to render Services and interact with students in a manner that facilitates student satisfaction. If Provider is unable to resolve a complaint received from a student and/or his/her parent/guardian to his or her satisfaction, Provider shall notify such complainant that he or she may contact the Site Administrator to pursue the complaint further. Provider shall notify Director immediately and cooperate with the District in identifying, processing and resolving all complaints regardless of whether they are written or oral. Complaints identified by District shall be handled in the same manner with the Provider. District personnel will first attempt to resolve the complaint(s) to result in the satisfaction of the complainant. District personnel will notify the Provider of these efforts, and if satisfaction is not achieved, shall inform the Director to further engage in the next level of problem resolution.

Conflicts: Should any problems or conflicts arise in the course of the delivery of Services, it is understood that the Director and/or authorized representative of District will work with the parties in conflict to accomplish an effective resolution through mediation.

Provider shall comply with all federal, state, and local statutes, laws, regulations, and ordinances relating to the handling of patient complaints and notifying patients of their rights when they have a complaint.

- H. Evaluation. Provider shall cooperate, subject to applicable statutory provisions of confidentiality, in such evaluations or assessments of the Services as the District may institute during the term of this Agreement. The District shall coordinate such evaluations and assessments to protect Provider against unnecessary duplication of data collection.

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Provider acknowledges that the Services may be evaluated by all parties, the Director, the District's independent evaluator, or any other District offices or schools, and understands that the results of the evaluation may be made available to the Provider upon request. The Provider agrees to cooperate fully with any such evaluation and agrees to promptly furnish any information that is requested by the District for evaluation purposes.

Provider may utilize evaluation data and/or collect additional data for research studies, publication, scholarly pursuits, etc. subject to the District's established procedures for research and evaluation. The District shall not unreasonably withhold consent for such activities. Prior to publication, both parties agree to mutually review all reports derived from project data.

I. Administration and Monitoring.

1. The Director shall administer this Agreement on behalf of the District.
2. Provider extends to Director, and to state and or federal representatives, the right to inspect and review Provider's programs, procedures, and records, including but not limited to personnel, financial, billing, eligibility, and student medical records unless such disclosures would be prohibited by state or federal laws protecting the confidentiality of medical records or other personal information, at provider's facility for compliance with its obligations hereunder upon request.
3. District shall conduct its reviews and monitoring at intervals specified by mutual agreement of the parties.
4. District, state or federal inspections or reviews may include, but not be limited to, inspection or review for:
 - a. Adherence to eligibility determination procedures;
 - b. Verification of student encounters and accuracy of applicable billing;
 - c. Provision of appropriate care;

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- d. Appropriate supervision, orientation, and training of staff (including those in a volunteer capacity) in accordance with applicable Title 22 provisions And other applicable law;
- e. Adherence to Title 22 regulations and other applicable law related to provision of health care.

16. Report and Records.

- A. Services Rendered. Provider shall maintain complete and accurate student encounter records including, but not limited to: name, sex, birth date, address, Social Security number and third party coverage as applicable; and medical records on all care delivered by Provider, in accordance with Titles 17 and 22, California Code of Regulations standards for clinic operations. Provider shall retain such records for the period required by law, but in any event, no less than seven (7) years from the date of their making, or until federal, state, and/or local audit findings applicable to such services and are resolved, whichever is later. Medical records developed and maintained at the Health Center site shall be the property of Provider. Provider shall be the custodian of records for purposes of service of legal process relative to such records.
- B. Management Information Reports. Provider will submit management information reports, developed by the District in consultation with Provider, on a annual basis, within 30 days of the end of the calendar year (e.g., January 30th). Data from these reports are used by the District for such responsibilities as: determining if accountabilities are being met; developing aggregate reports for funders; preparing for public testimony on development of policy relating to School-based Health Centers; reporting on such areas as public access to health care; and engaging new funders in the partnership.

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- C. Financial Records. Provider shall maintain accurate and complete financial (including billing and eligibility) records of its operations as they relate to its Services under this Agreement in accordance with generally accepted accounting principles.
- D. Employment Records. Provider shall maintain accurate and complete employment and other records of all services provided hereunder. Provider shall maintain on file for a period extending to at least five (5) years after the expiration of this Agreement all receipts, payroll records, books and other records which substantiate invoices submitted to District under this Agreement and will make such receipts, books and records available for audit on request of District.
- E. Audit Reports. In the event that federal, state or local governments conduct an audit/compliance review of Provider's operations, Provider shall file a copy of such audit with District within ten (10) calendar days of receipt of audit report.

17. Confidentiality of Records. Provider and District recognize that records relative to students, maintained by them respectively, are confidential pursuant to applicable provisions of federal and state law. Provider and the District will work cooperatively on business agreements and parent permission processes that will allow sharing of information to coordinate care and facilitate evaluation.

18. Subcontracting. Provider shall not provide Services through other providers, agencies, or entities without prior written approval by the Director. Upon approval of any such arrangement by the Director, Provider shall obtain written agreements from the subcontractors to comply with the terms of this Agreement.

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19. Community Participation. It is the intention of the parties that the community be involved in the development and execution of policies related to operation of the health clinic. District and Provider, therefore, shall establish a structure of one or more community advisory groups in which the parties will work jointly to encourage participation by, and responsiveness to the suggestions of members of the community who wish to engage in such community advisory groups. Provider shall work with Resource Coordinating Councils and other planning activities of the Wellness Networks.

20. Furnishings and Equipment. Provider shall be responsible for Health Center furnishings, medical equipment and supplies. All furniture and equipment purchased with District funds dedicated to School-based Health Center use or invoiced to District shall become the property of the District for School-based Health Center use. All other furniture and equipment is property of Provider. Each party shall be responsible for the maintenance of its own furnishings and equipment. Provider shall develop and maintain an inventory of all furnishings and equipment purchased with District funds. Provider shall retain the record of each piece of equipment or furnishing for a period of 5 years or until the date at which the piece of equipment becomes obsolete, whichever is longer. Such records are to be made available, upon request, for review by the Director.

Health Center Property: All other furniture and medical equipment is property of the Provider. Each party shall be responsible for the maintenance of its own furnishings and medical equipment. This section applies only to furnishings, medical equipment and supplies, and does not apply to maintenance of the premises or equipment and fixtures installed pursuant the occupancy provisions in Exhibit D.

20. Bio-hazardous Waste. Provider shall handle and dispose of its infectious and bio-hazardous waste in accordance with all applicable laws and regulations.

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21. Public Health Reporting Requirements. Provider shall comply with all reporting requirements set forth in the California Code of Regulations, Title 17, Division 1, Chapter 4, Subchapter 1, Article 1.

22. Public Announcements and Literature. In public announcements and literature distributed by Provider for the purpose of advising students and the general public of its health services, such messages shall not mention the Los Angeles Unified School District without prior written authorization by the Director.

23. Insurance.

- A. Provider, if a Federally Qualified Health Center, may satisfy all, or a portion, of its insurance requirements under this Agreement by demonstrating that the Services contemplated by this Agreement are covered under the Federal Tort Claims Act ("FTCA"). If Provider claims such FTCA coverage, Provider shall provide proof thereof, in the form of a letter from an authorized representative of the federal government, stating the extent of the FTCA coverage for this Agreement, and reflecting clearly the categories of Provider health practitioners covered by the FTCA. Prior to commencement of Services under this Agreement, Provider shall present District with the aforementioned letter, or, if not covered under FTCA, an original certificate of insurance, evidencing insurance coverage for General Liability, Workers' Compensation and Medical Malpractice providing the minimum overages described in subsection C below.
- B. In the event Provider's coverage under FTCA lapses, it shall present District with an original certificate of insurance evidencing insurance coverage for General Liability and Medical Malpractice and Workers' Compensation as described above.

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C. Provider shall, at Provider's sole cost and expense, maintain in full force and effect, during the term of this Agreement, the following insurance coverage from a California licensed insurer with an A minus (A-), VII, or better rating from A.M. Best, sufficient to cover any claims, damages, liabilities, costs and expenses (including counsel fees) arising out of or in connection with Provider's fulfillment of any of its obligations under this Agreement or either party's use of the Services or any component or part thereof:

1. Commercial Form General Liability Insurance, including both bodily injury and property damage, with limits as follows:

\$ 1,000,000	per occurrence
\$ 100,000	fire damage
\$ 5,000	medical expenses
\$ 1,000,000	personal & adv. injury
\$ 3,000,000	general aggregate
\$ 3,000,000	products/completed operations aggregate

2. Business Auto Liability Insurance for owned scheduled, non-owned or hired automobiles with a combined single limit of no less than \$1 million per occurrence. If Provider's Services involve use of vehicle(s) on District site(s) or providing transportation to District students, limits shall also include a general aggregate of no less than \$5,000,000.

3. Workers' Compensation and Employers Liability Insurance in a form and amount covering Provider's full liability under the California Workers' Compensation Insurance and Safety Act and in accordance with applicable state and federal laws.

Part A -- Statutory Limits

Part B -- \$1,000,000/\$1,000,000/\$1,000,000 Employers
Liability

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4. Errors and Omissions (Professional Liability/Medical Malpractice)

coverage with the following limits:

\$1,000,000 per occurrence/ \$3,000,000 aggregate

5. Sexual Abuse and Molestation coverage with the following limits:

\$1,000,000 per occurrence/ \$3,000,000 aggregate

6. Any deductible or Self-Insurance Retentions (SIR) shall be declared in writing, and all deductibles and relations above \$100,000 require District approval.

D. Provider, upon execution of this Agreement and periodically thereafter upon request, shall furnish the District with certificates of insurance evidencing such coverage. The certificate of insurance shall include a thirty (30) day non-renewal notice provision. The policies of insurance providing the coverages referred to above shall name the District and the Board of Education as additional insureds with respect to any potential tort liability, irrespective of whether such potential liability might be predicated on theories of negligence, strict liability or products liability. Premiums on all insurance policies shall be paid by Provider and shall be deemed included in Provider's obligations under this Agreement at no additional charge.

E. Provider shall provide thirty (30) days prior written notice to District of any impending cancellation or termination of such insurance. Each policy shall be issued by a reputable insurance company licensed to do business in California.

F. District warrants that it is self-insured for all such types of liability with reserves in excess of \$5,000,000 and agrees to provide at least twenty (20) days notice to Provider in the event District no longer maintains reserves in excess of \$5,000,000.

24. General Indemnity. Provider shall, to the fullest extent allowed by law, indemnify and hold District and its Board Members, administrators, employees, agents, attorneys, and contractors harmless against all liability, loss, damage and expense (including

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reasonable attorneys' fees) resulting from or arising out of any act or omission of Provider or its employees, agents, vendors, or contractors, or Provider's breach of its obligations under this Agreement. Provider shall not, under any circumstances, indemnify District or its Board Members, administrators, employees, agents, attorneys, or contractors against any loss, damage and expense (including reasonable attorneys' fees) resulting from any act or omission by District or its employees, agents, vendors, or contractors, or District's breach of its obligations under this Agreement.

District shall, to the fullest extent allowed by law, indemnify and hold Provider and its Board Members, administrators, employees, agents, attorneys, and contractors harmless against all liability, loss, damage and expense (including reasonable attorneys' fees) resulting from or arising out of any act or omission by the District or its employees, agents, vendors, or contractors. District shall not, under any circumstances, indemnify Provider or its Board Members, administrators, employees, agents, attorneys, or contractors against any loss, damage and expense (including reasonable attorneys' fees) resulting from any act or omission of Provider or its employees, agents, vendors, or contractors, or Provider's breach of its obligations under this Agreement.

25. Independent Contractor. While engaged in performance of this Agreement, Provider is an independent contractor and is not an officer, agent, or employee of the District.

26. Charges for Health Center Services. No Pre-K through grade 12 student enrolled in a traditional educational program otherwise eligible for Health Center Services shall be denied such Service(s) due to inability to pay for same. Where some form of private insurance or comparable government benefit covers a recipient of Service(s), Provider shall be responsible for completing and processing such documentation necessary to obtain payment from such third party payor sources. Provider will make a good faith effort to recover payments for Services from insurance

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HEALTH CENTER

(LEAD SCHOOL)

(PROVIDER)

or comparable government benefits. Provider is responsible for maintaining records concerning all third party payments and making such records available for review by the Director upon request.

27. Financial Responsibility and Support. The parties intend to operate the Health Center with funds obtained through grants, donations and reimbursements as described in section 26 of this Agreement. Provider and District will, both individually and jointly, pursue all available funding sources to maximize the Health Center's ability to provide adequate facilities and Services. Provider and District will inform each other in advance of fundraising efforts, e.g., donation solicitations, grant applications, so as to permit coordination, and avoid duplication of efforts.

At the conclusion of Provider's Services under this Agreement and any renewals thereof, Provider shall remit to District all donations/grants under its control which were received solely on condition that it/they be used for the School-based Health Centers at the School(s), except to the extent that any grant source requires any remaining balance to be remitted to the grant source.

28. Compliance with Governmental Requirements. Provider and District shall comply with all codes, ordinances, rules, regulations and requirements of all municipal, state and federal authorities now in force or which may hereinafter be in force pertaining to the provision of the Services. The parties agree that in the event new governmental requirements are imposed which affect the parties' obligations and performance under this Agreement, the parties shall negotiate mutually acceptable additional terms to conform this Agreement to such new requirements, if necessary.

29. Delegation and Assignment. Provider shall not delegate its duties or assign its

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rights hereunder, or both, either in whole or in part, without the prior written consent of the Director. Any delegation or assignment made without such consent shall be null and void.

30. Termination. District may terminate this Agreement for any cause or without cause upon thirty (30) days prior written notice to the Provider. Provider may terminate this Agreement for any cause or without cause upon thirty (30) days prior written notice to the District. The term any cause, as used in the preceding sentence, shall include but not be limited to, for example, failure to meet productivity standards as referenced in Exhibit B, failure to abide by the license agreement in Exhibit D, or the absence of adequate operating funds from those sources identified in this Agreement.

In the event of a breach of this Agreement by Provider which involves a violation of any law or regulation applicable to this Agreement, the District may terminate this Agreement immediately and will thereafter provide notice to Provider. In the event of any other breach of this Agreement by Provider, District shall first issue a Notice to Cure (labeled as such), directing Provider to cure its breach within the time period specified in the Notice, which time period shall be not less than fifteen (15) calendar days. If the Provider does not cure its breach to the satisfaction of the District within the time stated in the Notice to Cure, District shall issue Provider a Notice of Default. Upon receipt of the Notice of Default, Provider shall cease all work under this Agreement. In the event of a breach of this Agreement by District which involves a violation of any law or regulation applicable to this Agreement, Provider may terminate this Agreement immediately and will thereafter provide notice to District.

31. Notice. Any notice to District pursuant to this Agreement shall be in writing, directed to: Kimberly Uyeda, M.D., M.P.H.
Director, Community Partnerships and Medi-Cal Programs
Los Angeles Unified School District

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333 S. Beaudry Avenue, 29th Floor
Los Angeles, California 90017
(213) 241-3872

Any notice to Provider pursuant to this Agreement, shall be directed to:

33. Arbitration. The parties agree that, in the event any dispute arises concerning the terms of this Agreement or services to be provided pursuant to this Agreement, the parties shall first attempt in good faith to resolve the dispute to their mutual satisfaction. Either party may initiate such informal process, by written notice given by the initiating party to the other party. If they are unable to resolve the dispute informally within thirty (30) calendar days of the date such written notice was delivered, Provider and District will submit to non-binding arbitration under the rules and procedures of the American Arbitration Association. The parties to this Agreement shall share fees charged by the American Arbitration Association for handling of a proceeding, in equal parts. Any arbitration pursuant to this Agreement shall be instituted within 90 days of the end of the contract, in the absence of a written waiver of said time limit executed by the parties.

32. Entire Agreement. This Agreement together with all attached exhibits and documents specifically referenced or incorporated by reference herein, upon execution by both parties, constitutes the full and complete expression of the rights and obligations of the parties and supersedes all other agreements, written or oral, oral, here to fore made by the parties relative to operation of a School-based Health Center at the School(s).

33. Amendments. This Agreement may be modified or amended only by a written instrument executed by all of the parties hereto.

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34. Debarment, Suspension or Ineligibility for Award. By signing this Agreement, the Provider certifies that:

- A. The Provider and any of its principals are not presently debarred, suspended, proposed for debarment, or declared ineligible for the award of contracts by any Federal agency, and State agency.
- B. Have not, within a three-year period preceding this contract, been convicted of or had a civil judgment rendered against them for: commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a Federal, state or local government contract or subcontract; violation of Federal or state antitrust statutes relating to the submission of offers; or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, tax evasion, or receiving stolen property; and are not presently indicted for, or otherwise criminally or civilly charged by a Government entity with commission of any of these offenses.

35. Confidentiality of Agreement.

- A. This Agreement, all communications and information obtained by Provider from District relating to this Agreement, and all information developed by Provider under this Agreement, are confidential. Except as provided in Subsection C, without the prior written consent of an authorized representative of District, Provider shall neither divulge to, nor discuss with, any third party either the work and services provided hereunder, or any communication or information in connection with such services or work, except as required by law. Prior to any disclosure of such matters, whether as required by law or otherwise, Provider shall inform District, in writing, of the

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nature and reasons for such disclosure. Provider shall not use any communications or information obtained from District for any purpose other than the performance of this Agreement, without District's written prior consent.

- B. At the conclusion of the performance of this Agreement, Provider shall return to District all written materials constituting or incorporating any communications or information obtained from District. Upon District's specific approval, Provider may retain copies of such materials.
- C. Provider may disclose to any Subcontractor, or District approved third parties, any information that is reasonably required for the performance of the Subcontractor's work. Prior to any such disclosure, Provider shall obtain the Subcontractor's written Agreement to the confidentiality requirements and shall provide a copy of such Agreement to District.
- D. Provider or District represents that it shall not publish or cause to be disseminated through any press release, public statement, or marketing or selling effort any information that relates to this Agreement without the prior written approval of the other party.
- E. Provider's and District's obligation of confidence with respect to information submitted or disclosed to Provider by District hereunder shall survive termination of this Agreement.

36. Governing Laws, Jurisdiction and Venue. This Agreement shall be governed by, and construed in accordance with, the laws of the State of California. Provider agrees and consents to the exclusive jurisdiction of the courts of the State of California

OPERATING AGREEMENT FOR SCHOOL-BASED
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(PROVIDER)

for all purposes regarding this Agreement and further agrees and consents that venue of any action brought hereunder shall be exclusively in Los Angeles County.

37. Authority. Each of the undersigned parties represents and warrants that all necessary authorizations have been obtained and this Agreement and each person executing this Agreement on behalf of the undersigned parties represents and warrants that he or she has the power and authority to enter into this Agreement and to bind the parties hereto.

[Signature blocks on next page.]

OPERATING AGREEMENT FOR SCHOOL-BASED
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(LEAD SCHOOL)

(PROVIDER)

IN WITNESS HEREOF, THE PARTIES HERETO HAVE CAUSED THIS AGREEMENT
TO BE DULY EXECUTED.

LOS ANGELES UNIFIED SCHOOL DISTRICT

Student Health and Human Services

DATED _____

BY _____
Debra Duardo
Executive Director

Office of General Counsel

DATED _____

BY _____
Carl J. Piper
Assistant General Counsel

Educational Service Center _____

DATED _____

By _____
Signature - Administrator of Operations

Print Name - Administrator of Operations

PROVIDER

NAME OF PROVIDER _____

PROVIDER ADDRESS _____

DATED _____

BY _____
Signature – Provider's Authorized Representative

Print Name – Provider's Authorized Representative

Title – Provider's Authorized Representative

OPERATING AGREEMENT FOR SCHOOL-BASED
HEALTH CENTER

(LEAD SCHOOL)

(PROVIDER)

Related Exhibits

EXHIBIT A: Service Delivery Application

EXHIBIT B: Objectives and Performance Activities for Health Center

EXHIBIT C: Code of Conduct

EXHIBIT D: Occupancy Provisions, and Related Attachments: Schedule D-1 and
Schedule D-2

SERVICE DELIVERY APPLICATION (SDA)
To Provide Volunteer Health and
Mental Health Services at District Locations

TRANSMITTAL CHECKLIST

TO: Kimberly Uyeda, M.D., M.P.H., Director
Community Partnerships and Medi-Cal Programs

DATE: _____

FROM: _____ **ESC/Office:** _____
Organization Facilitator

SUBJECT: REQUEST FOR APPROVAL OF NEW MEMORANDUM OF UNDERSTANDING (MOU)/OPERATING AGREEMENT (OA) PROVIDER OR EXTENSION OF MOU/OA TERM

☐ New Provider MOU/ ☐ Extension of MOU/OA Term for Contract Number: _____

Provider Name & Contract Number: _____

NEW AGREEMENT CHECKLIST

MOU OR OA

☐ Signed and Dated (2 sets with original signatures)

SERVICE DELIVERY APPLICATION (One Per Site)

☐ Signed and Dated (2 sets with original signatures) including:

- ☐ Provider Personnel (Page 6) completed
☐ Schedule of Services (Page 3 or 5) completed

INSURANCE

- ☐ Professional Malpractice (District co-insured; 1M/3M)
☐ General Liability (District co-insured; 1M/3M)
☐ Auto (1 M) or vehicles used on campus (5M)
☐ Sexual Abuse and Molestation Coverage (1M/1M)
☐ Workers' Compensation and Employers Liability

LICENSE(S)

☐ Copy of Current License(s) or State Board Registration

TB CLEARANCE(S)

☐ Provider Personnel table (Page 6) completed & initialed

FINGERPRINT/CRIMINAL BACKGROUND CERTIFICATION

- ☐ Provider Personnel table (Page 6) completed & initialed
☐ Signed copy of the Fingerprint & Criminal Background Check Certification form for each Unlicensed/Non-Registered Staff Member (see Attachment B)

ATTACHMENTS

- ☐ Resumes
☐ Consent form

EXTENSION OF AGREEMENT TERM

INSURANCE

- ☐ Professional Malpractice (District co-insured; 1M/3M)
☐ General Liability (District co-insured; 1M/3M)
☐ Auto (1 M) or vehicles used on campus (5M)
☐ Sexual Abuse and Molestation Coverage (1M/1M)
☐ Workers' Compensation and Employers Liability

LICENSE(S)

☐ Copy of Current License(s) or State Board Registration

TB CLEARANCE(S)

☐ Provider Personnel table (Page 6) completed & initialed

FINGERPRINT/CRIMINAL BACKGROUND CERTIFICATION

- ☐ Provider Personnel table completed & initialed (Page 6)
☐ Signed copy of the Fingerprint & Criminal Background Check Certification form for each Unlicensed/Non-Registered Staff Member (see Attachment B)

ATTACHMENTS

- ☐ Resumes
☐ Consent form

COPY OF THE SERVICE DELIVERY APPLICATION IS ON FILE WITH THE ORGANIZATION FACILITATOR.

Reviewed By _____

Date _____

Los Angeles Unified School District
Student Health and Human Services

INSTRUCTIONS FOR DOCUMENT SUBMISSION

REQUEST FOR NEW AGREEMENT

Providers that offer services to students at **no cost to the District** are considered to provide “volunteer service(s).” In order to ensure the safety of students and be in compliance with applicable state and federal laws and Board policy, Organization Facilitators should work with Providers and Site Administrators to complete the Memorandum of Understanding for Volunteer Health and Mental Health Services at District Locations or an Operating Agreement for School-Based Wellness Center; and the Service Delivery Application. A Service Delivery Application is required for each school site where services are to be delivered. The following documents should be submitted to the Community Partnerships and Medi-Cal Programs office:

1. **Completed** Transmittal Checklist (*with original signature*)
2. **Memorandum of Understanding (MOU) or Operating Agreement** (*two documents with original signatures*)
3. **Service Delivery Application** (*two documents with original signatures*)
4. **Insurance Certificate(s)** - *May be on one or more Certificate(s) of Insurance*
 - Professional Malpractice (District co-insured; 1M/3M); (*original signed certificate*)
 - General Liability (District co-insured; 1M/3M); (*original signed certificate*)
 - Auto (1M) or vehicles used on campus (5M); (*original signed certificate*)
 - Sexual Abuse and Molestation Coverage (1M/1M); (*original signed*)
 - Workers’ Compensation and Employers Liability (*original or copy*)
5. **License(s)** (*one set of copies*)
6. **TB Clearance(s)** – Provider Personnel table (Page 6) completed and initialed. TB results must be within 6 months of starting services.
7. **Fingerprint/Criminal Background Certification** (*one set of copies*) – Provider Personnel table (Page 6) completed and initialed; signed copy of the Fingerprint and Criminal Background Check Certification form for each Unlicensed/Non-registered Staff Member (see Attachment B)
8. **Resume(s)** (*one set of copies*)

REQUEST FOR AGREEMENT EXTENSION OF TERM

Organization Facilitators should work with Providers and Site Administrators to complete the following documents and submit them to the Community Partnerships and Medi-Cal Programs office:

1. **Completed** Transmittal Checklist (*with original signature*)
2. **Insurance Certificate(s)** - *May be on one or more Certificate(s) of Insurance*
 - Professional Malpractice (District co-insured; 1M/3M); (*original signed certificate*)
 - General Liability (District co-insured; 1M/3M); (*original signed certificate*)
 - Auto (1M) or vehicles used on campus (5M); (*original signed certificate*)
 - Sexual Abuse and Molestation Coverage (1M/1M); (*original signed*)
 - Workers’ Compensation and Employers Liability (*original or copy*)
3. **License(s)** (*one set of copies*)
4. **TB Clearance(s)** – Provider Personnel table (Page 6) completed and initialed. TB results must be updated every 4 years.
5. **Fingerprint/Criminal Background Certification** (*one set of copies*) – Provider Personnel table (page 6) completed and initialed; signed copy of the Fingerprint and Criminal Background Check Certification form for each Unlicensed/Non-registered Staff Member (see Attachment B)
6. **Resume(s)** (*one set of copies*)

NOTE:

FOR PROGRAMS DIRECTLY OPERATED BY THE COUNTY OF LOS ANGELES, COMPLETE A SERVICE DELIVERY APPLICATION FOR EACH SCHOOL SITE SIGNED BY ALL PARTIES. NO OTHER DOCUMENTS NEED TO BE COMPLETED. A copy of the Service Delivery Application should be submitted by the Organization Facilitator to the Community Partnerships and Medi-Cal Programs office.

FOR OFFICE USE ONLY

Date _____ Re: _____
 Date _____ Apprvd: _____
 Contract#: _____

Los Angeles Unified School District
Student Health and Human Services Division

SERVICE DELIVERY APPLICATION**FOR VOLUNTEER HEALTH SERVICES AT DISTRICT LOCATIONS****A. GENERAL INFORMATION**

Name of Provider: _____

Executive Director: _____ Title: _____

Business Address: _____ Telephone: _____

City, St, Zip Code: _____ Fax: _____

Provider Contact: _____ Title: _____

E-mail: _____ Telephone: _____

School/Site to Complete

School/Site: _____ ESC: _____ Grade Level: _____

School/Site Address: _____

School/Site Contact: _____ Title: _____

Telephone: _____ Fax: _____ E-mail: _____

Attach referral form or describe the referral process at your school/site:

Location on school/site for services: _____

On-site staff member with appropriate credential must liaison with Provider personnel (Mental Health Service Providers must establish a liaison with a Pupil Personnel Service Credential holder). The Organization Facilitator may act as the liaison if no on-site PPS credentialed person is present.

School Liaison Name: _____ Title: _____

Credential: _____ Direct Phone Number: _____

Organization Facilitator: _____ Phone Number: _____

It is the **Provider's responsibility** to complete the following items of the Service Delivery Application:

1. Supervision Plan (Page 3) attached: ☐ Yes
2. Provider Personnel (Page 4) initialed, completed and attached: ☐ Yes
3. Schedule of Services (page 5): ☐ Yes
4. Copies of appropriate licenses, credentials, and/or certifications: ☐ Yes

Provider has reviewed LAUSD policies: ☐ Yes

- Child Abuse
- Suicide Prevention, Intervention, Postvention
- Students Rights

5. Copy of provider consent & referral form: ☐ Yes

Description of Identification to Access Campus: _____

Provider requirements from school: _____

MENTAL HEALTH SERVICES (Check all that apply)☐ **Not Applicable – Mental Health Services will not be provided (skip to Page 4)**

- | | | |
|---|---|--|
| <input type="checkbox"/> Individual Child Therapy | <input type="checkbox"/> Consultation Outreach | <input type="checkbox"/> Training |
| <input type="checkbox"/> Family Therapy | <input type="checkbox"/> Enrollment Case | <input type="checkbox"/> Translation Service |
| <input type="checkbox"/> Group Therapy | <input type="checkbox"/> Management | <input type="checkbox"/> Parenting Classes |
| <input type="checkbox"/> Substance Abuse | <input type="checkbox"/> Information & Referral | <input type="checkbox"/> Other: _____ |
| <input type="checkbox"/> Crisis Evaluation | <input type="checkbox"/> Assessment | <input type="checkbox"/> Other: _____ |
| <input type="checkbox"/> Participation in District crisis team(s) responses as a Community Crisis Volunteer (CCV) | | |

Medi-Cal Certified Provider: ☐ Y ☐ N **DMH provider number:** _____

California Department of Alcohol & Drug programs provider: Yes ☐ No ☐ **ADP Provider number:** _____

DMH liason: _____ **Phone#:** _____

Describe the type and extent of services planned if client needs a higher level of care than can be provided on school site:
Provision for medically indigent students: (Provider Executive Director/Designee Initial each statement)

(Initial) _____ No child otherwise entitled to Services pursuant to this agreement shall be denied such Service due to inability to pay for same.

(Initial) _____ Notwithstanding a child's ability to pay, Provider must assess a referred child, determine his/her risk and/or need for services, and provide appropriate linkage to a community resource. If the Provider determines that a child is in crisis and needs immediate assistance, Provider will ensure that the child receives the services, referrals, and/or linkages necessary to ensure the child's safety and social-emotional well-being.

(Initial) _____ If Provider determines that a child is non-eligible and is assessed a fee based on a sliding scale, the Provider will make arrangements with the child's parent/guardian for payment. No child shall ever be responsible for payment and/or required to carry currency to pay for services rendered. Provider will not accept any cash payments from such a child even if offered.

Other Provisions:

MENTAL HEALTH SERVICES SUPERVISION PLAN

Supervision of Provider's Interns and Other Staff: Staff supervision is the responsibility of the Provider. A plan for staff supervision and support is described below, including on-site personnel, supervisory staff, and support staff. The malpractice and general liability insurance of the Provider must cover any services performed by interns, residents or trainees on the school/site.

Please note: For mental health, behavioral health and drug and alcohol treatment services, Provider shall arrange for appropriate supervision of students, trainees and interns working on a campus as part of the agreement. Only master-level clinicians can provide mental health services on LAUSD campuses, to LAUSD students. Clinicians must be registered with the California Board of Behavioral Sciences (BBS). Non-licensed master-level clinicians (e.g., ASW and MFT Interns) must have access to their clinical supervisor while rendering services on a school campus. Master-level graduate student interns/trainees may render mental health services only if their master-level clinical supervisor is on campus at the same time as the services are rendered. Non-master-level staff (e.g., bachelor or undergraduate students) are not allowed to render mental health services to students on campus. Refer to Memorandum of Understanding, Section 6, Staffing.

(1) Supervision Plan & Schedule:

Clinician/Intern/ Trainee Name	Supervisor's Name	Supervisor's Title	Supervisor's Contact Number	Location of Supervision	Day/Time of Supervision

a. Provider contact number(s) for immediate assistance with client: _____

b. Personnel available to Clinician/Intern/Trainee if supervisor is unavailable:

Name / Title	Phone Number

(2) Describe the use of case managers and their supervision in delivering services at this school:

SCHEDULE OF SERVICES*

Please identify the days and times personnel will be on at the school site.

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
Staff Name & Time on Campus					
Staff Name & Time on Campus					
Staff Name & Time on Campus					
Staff Name & Time on Campus					

*Providers with mobile van services may attach their program rotation calendar for proposed service location and dates.

HEALTH SERVICES (Check all that apply)☐ **Not Applicable – Health Services will not be provided (skip to Page 6)**

- | | | |
|---|---|---|
| <input type="checkbox"/> Immunizations | <input type="checkbox"/> Dental Screening | <input type="checkbox"/> Pregnancy Testing & Referral for Prenatal Care |
| <input type="checkbox"/> Physical Exams (General, Sports, and CHDP) | <input type="checkbox"/> Dental Treatments | <input type="checkbox"/> STD/HIV Detection, Treatment Counseling |
| <input type="checkbox"/> Mantoux Testing | <input type="checkbox"/> Fluoride & Varnish Treatments | <input type="checkbox"/> Substance Abuse Treatment |
| <input type="checkbox"/> Diagnosis & Treatment of Minor and Acute Illness | <input type="checkbox"/> Laboratory Services | <input type="checkbox"/> Translation Service |
| <input type="checkbox"/> First Aid for Minor Injuries | <input type="checkbox"/> Radiology | <input type="checkbox"/> Case Management |
| <input type="checkbox"/> Assistance with Chronic Ongoing Illnesses | <input type="checkbox"/> Prescription & Over The Counter Medication | <input type="checkbox"/> Outreach Enrollment |
| <input type="checkbox"/> Hearing Screening | <input type="checkbox"/> Weight Management | <input type="checkbox"/> Other: _____ |
| <input type="checkbox"/> Vision Screening | <input type="checkbox"/> Emergency Treatment | _____ |
| <input type="checkbox"/> Refraction | <input type="checkbox"/> Family Planning Services | |
| <input type="checkbox"/> Dispensing of Glasses | | |

Medi-Cal Certified Provider: ☐ Y ☐ N **PROVIDER NUMBER:** _____

Describe the type and extent of services planned if client needs a higher level of care than can be provided on school site:
Provision for medically indigent students: (Provider Executive Director/Designee Initial each statement)

(Initial) _____ No child otherwise entitled to Services pursuant to this agreement shall be denied such Service due to inability to pay for same.

(Initial) _____ Notwithstanding a child's ability to pay, Provider must assess a referred child, determine his/her risk and/or need for services, and provide appropriate linkage to a community resource. If the Provider determines that a child is in crisis and needs immediate assistance, Provider will ensure that the child receives the services, referrals, and/or linkages necessary to ensure the child's safety and social-emotional well-being.

(Initial) _____ If Provider determines that a child is non-eligible and is assessed a fee based on a sliding scale, the Provider will make arrangements with the child's parent/guardian for payment. No child shall ever be responsible for payment and/or required to carry currency to pay for services rendered. Provider will not accept any cash payments from such a child even if offered.

Other Provisions:

*Providers with mobile van services may attach their program rotation calendar for proposed service location and dates.

HOURS OF CENTER OPERATION

**Please complete for each fixed health center on District location
(e.g., school-based health center or wellness center).**

HOURS	MONDAY	TUESDAY	WED.	THURSDAY	FRIDAY	SATURDAY	SUNDAY
Regular Hours							
Hours Available for School							
On-Site Pharmacy							
On-Site Laboratory							
On-Site Radiology							
Mental Health Hours							
Health Education Hours							
Other:							
Other:							
Other:							
Describe services available to the broader community:							
List other schools served by the Center:							

STANDARDS FOR VOLUNTEER* HEALTH AND MENTAL HEALTH SERVICES TO STUDENTS OF THE LOS ANGELES UNIFIED SCHOOL DISTRICT

** The term "Volunteer Health and Mental Health Service" is defined by District as any service delivered at no cost to the District under the terms and conditions set forth in the Memorandum of Understanding (MOU) or Operating Agreement (OA); use of this term does not imply that professional services rendered by a Provider are not compensated or funded by other non-District sources.*

1. **All** individuals or agencies that provide volunteer health and mental health services to students of the Los Angeles Unified School District must agree to:
 - Work with the Organization Facilitator and appropriate school personnel to establish effective service delivery systems for District students.
 - Consult with the assigned credentialed on-site support services personnel staff on a regular basis, and work with appropriate school staff when a problem arises that needs immediate attention.
 - Understand and comply with the law and District policies concerning confidentiality, child abuse, and students who may pose a threat to self or others. Policy bulletins on these subjects are available on the school campus.
 - Be punctual in attendance and complete the commitment of the Agreement with the District. **It is the Provider's responsibility to inform the school liaison of any change in personnel on campus.** Provider will revise and submit the "Provider Personnel" sheet to the Educational Service Center Organization Facilitator in order to complete the personnel change.
 - Notify school administrator, appropriate support services staff member, **and** parents of any questionable or abnormal physical health findings. Appropriate referrals should be made for follow up care. Reports to parents are to be written on District approved notification forms. Translation into languages other than English may also be required.
2. **All Students Shall Have Access To On-Site Care, Regardless Of Ability To Pay:** All Providers are obligated to assess and provide emergency assistance to **all students**; not only those who have insurance or can afford to pay. **A Provider at a school site cannot restrict access to care** to those students with Medi-Cal/Healthy Families insurance. Many healthcare access options now exist for medically indigent children. It is expected that all Providers will promote and support enrollment into available programs, including Medi-Cal and Healthy Families, Healthy Kids and other insurance programs. Families may be referred to LAUSD's Children's Health Access and Medi-Cal Program (CHAMP) toll free helpline, 1-866-742-2273 for eligibility screening and enrollment assistance.
3. **Fees and Solicitation:** No fees assessed by Provider are to be billed directly to students, parents, or their guardians except as described in Section 4, below. Providers may not use written or verbal solicitation for self-referral; Providers may not use information learned about District student(s) for personal gain or profit.
4. **Fee Disclosure for Los Angeles County Department of Mental Health (DMH) and Its Subcontracted Providers (DMH Providers):** DMH Providers are obligated to perform an intake evaluation for all students which may include a financial screening. Students/families that do not have insurance coverage for mental health services may be eligible for free or low-cost health insurance programs available to residents of Los Angeles County (see Section 2, above). In some cases, parents/guardians may be assessed

a fee based upon a sliding scale in accordance with the rules and regulations of the California State Department of Mental Health and DMH. DMH Providers must disclose all fees or co-payments that the parent/guardian may be asked to pay for any rendered services.

Please see Memorandum of Understanding between LAUSD and DMH, Section 15.

5. **No Obligation for Students to Use Services:** While a child may benefit from services offered by a Provider or program, parents or students cannot be required to accept services. **Services cannot be required as a condition of school attendance.** Referrals of students to an agency should be a part of a continuum of services available to students. Professional treatment does not take the place of prevention, early intervention, support, educational counseling, Designated Instruction Services (DIS) counseling and discipline at the school site.

6. **Parent/Guardian Informed Consent Requirements:** Prior to Provider contacting a parent/guardian, the school/site must obtain an "Informed Consent for Provider Contact" (see Attachment 1) which shall be made a part of the student record.

In addition, prior to screening, assessment, or treatment of a student, the parent/guardian must sign an Informed Consent that contains the following statement: *"I understand that [insert Provider name] is not a part of the regular and ongoing programs of the school or the Los Angeles Unified School District. This service is made available at the school site for my convenience to obtain health/mental health services for my child. I understand that the Los Angeles Unified School District does not assume responsibility for the services provided by the Provider nor for fees that may be charged."*

7. **Minor Consent:** Under applicable law, **minors 12 years of age or older** may consent to outpatient mental health services and the medical services listed on page 9, below. However, applicable law does not authorize minors to receive convulsive therapy, psychosurgery or psychotropic drugs without the consent of a parent or guardian.

Minors 15 years of age or older may also consent to general medical care under certain conditions. For questions or concerns regarding minor consent, please consult with Director, School Mental Health at (213) 241-3841; Director, Student Medical Services at (213) 202-7577; or Director, Community Partnerships and Medi-Cal Programs at (213) 241-3872.

8. **Services Provided by District Personnel Only:** Physical and mental health services required by an Individual Education Plan (IEP) can only be provided by District personnel or their subcontracted agents. Designated Instructional Services (DIS) are provided through Division of Special Education.
9. **Establish Communication Between Provider and School Staff:** A release of information form may be signed at the same time that the parent consents for services. This permits the school and the Provider to share appropriate information that can assist in the child's social, emotional, behavioral and academic progress. Regular meetings between the Provider and support services personnel should be held for feedback, coordination of services, and to address any issues or concerns in a timely fashion. Information shared may serve as crucial documentation of support services provided to the student in the event that special education services or other serious actions such as suspension or expulsion become necessary.
10. **Planning for Mandated Reporting:** Sensitive information is often uncovered in the course of providing services. It is important for the principal, support services staff members and the Provider staff to plan **in advance** how Provider and school will handle sensitive information which affects the student, such as physical or sexual abuse allegations, child neglect, drug/alcohol abuse, criminal activity in the home, etc.

Outline of California Minor Consent Laws

Who can consent, for what services and provider's obligations.

	Minor Consent Sufficient for Confidential Care	Parent/Guardian Consent Required	Parent/Guardian Notification Required
Abortion	Yes	No	Not allowed Without consent of minor
Birth Control	Yes (except sterilization)	No (except sterilization)	
Pregnancy (Prev., Dx. & TX.)	Yes ¹	No ¹	
STD's Contagious & Reportable Diseases (DX & Tx)	Yes (minors ≥ 12 years)	Not needed for Minors ≥ 12 years	
HIV Testing	Yes (minors ≥ 12 years and assessed as competent to give Informed consent)	Not Needed For minors ≥ 12 years, Unless deemed incompetent to consent	
Outpatient Mental Health Treatment	Yes ² (minors ≥ 12 years)	Yes (except ²)	An attempt should be made, except when the provider believes it is inappropriate.
Alcohol/Drug Abuse Treatment	Yes (minors ≥ 12 years)	Not needed for minors ≥ 12 years, except for replacement narcotic abuse treatment ^{1,3}	Not allowed without consent of minor. The treatment plan shall include the involvement of the minor's parent or guardian, if appropriate, as determined by the treating professional.
Rape⁴	Yes (minors ≥ 12 years)	Not Needed for minors ≥ 12 years	Not allowed without consent of minor.
Sexual Assault⁵	Yes	No	An attempt must be made except when provider believes parent or guardian was responsible

1 Including inpatient care.

2 If (1) the minor is > 12 years, is mature enough to consent AND (2) the minor is a (A) the victim of incest or child abuse or (B) would present a threat of serious physical or mental harm to self or others without treatment

3 However, parents can consent over the child's objection

4 Non-consensual sexual intercourse

5 Acts of rape, oral copulation, sodomy, and other violent crimes of a sexual nature

Adapted from National Center for Youth Law, www.youthlaw.org, 2006.

The following staff have reviewed the Service Delivery Application and approve this application.

ESC Nursing or Mental Health Coordinator Name (PRINT): _____

► SIGNATURE: _____ DATE: _____
ESC Nursing or Mental Health Coordinator

ESC Organization Facilitator Name (PRINT): _____

► SIGNATURE: _____ DATE: _____
ESC Organization Facilitator

I/We have read and understand the District Standards and agree to comply with the requirements.

PROVIDER NAME: _____

EXEC. DIR/DESIGNEE NAME (PRINT): _____

► EXEC. DIR/DESIGNEE SIGNATURE: _____ DATE: _____

SCHOOL NAME: _____

PRINCIPAL/DESIGNEE NAME (PRINT): _____

► PRINCIPAL/DESIGNEE SIGNATURE: _____ DATE: _____

For Office Use Only

► SIGNATURE: _____ DATE: _____
Applicable LAUSD Director (School Mental Health or Medical Services)

► SIGNATURE: _____ DATE: _____
Director of Community Partnerships and Medi-Cal Programs

INFORMED CONSENT FOR PROVIDER CONTACT

Date: _____

I hereby authorize _____ school to disclose contact information regarding
School Name_____, date of birth _____. The information is
Student Namebeing given to assist my child to obtain medical/mental health services by _____
Provider Name_____. I understand that the Provider is not
Address City Zip Code

a part of the regular and ongoing program of the school or the Los Angeles Unified School District. This service is made available at the school/site for my convenience to obtain health/mental health services for my child. /
understand that the Los Angeles Unified School District does not assume responsibility for the services provided by the Provider nor the fees that may be charged.

Signature of Parent/Legal Guardian_____
Date

CONSENTIMIENTO INFORMADO PARA PROVEEDOR DE SERVICIOS

Fecha: _____

Por este medio autorizo que _____ revele información de contacto concerniente
Nombre de la Escuela

a _____, fecha de nacimiento _____. Esta
Nombre del Alumno

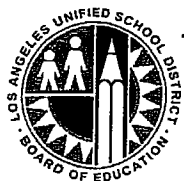
información se provee con el fin de ayudar a mi hijo/a en obtener servicios médicos o de salud mental ofrecidos
por _____.
Nombre del Proveedor de Servicios Domicilio Ciudad Código Postal

Entiendo que el proveedor de servicios no forma parte del programa regular y actual del Distrito Escolar Unificado de Los Ángeles. Este servicio se pone a la disposición en el plantel escolar para mi conveniencia en obtener servicios de salud y servicios de salud mental para my hijo/a. Entiendo que el Distrito Escolar Unificado de Los Ángeles no se hace responsable por los servicios prestados por el Proveedor ni por los posibles honorarios por cobrarse.

Firma del Padre o Tutor Legal

Fecha

1



TO: LOS ANGELES UNIFIED SCHOOL DISTRICT

FROM: Name: _____

Insurance and Risk Finance

Address: _____

Division of Risk Management &

City: _____

Insurance Services

State: _____ Zip Code: _____

333 S. Beaudry Ave., 28th Fl.

Los Angeles, CA 90017

Fingerprint and Criminal Background Check Certification

In accordance with the Department of Justice (DOJ) fingerprint and criminal background investigation requirements of Education Code section 45125.1 et seq.

With respect to the Agreement (Number _____) between the Los Angeles Unified School District ("DISTRICT") and the individual, _____ company or contractor named ("VENDOR,") for provision of _____ services.

PLEASE CHECK ALL APPROPRIATE BOXES AND SIGN BELOW:

REQUIREMENTS SATISFIED:

- ☐ A) The VENDOR hereby certifies to the DISTRICT'S governing board that it has completed the criminal background check requirements of Education Code (EC) section 45125.1 and that none of its employees that may come into contact with DISTRICT students have been convicted of a violent felony listed in Penal Code section 667.5(c) or a serious felony listed in Penal Code section 1192.7(c).

List below, or attach, the names of all employees that have successfully completed the fingerprinting and criminal background check clearance in accordance with the law.

_____	_____	_____
_____	_____	_____
_____	_____	_____

SERVICES MAY BEGIN AFTER THE CONTRACT IS EXECUTED

~OR~

WAIVER JUSTIFICATION:

- ☐ B) The VENDOR qualifies for a waiver of the Department of Justice (DOJ) fingerprint and criminal background investigation for the following reason(s) permitted by Education Code section 45125.1 et seq.
- ☐ 1) The VENDOR and its employees will have NO CONTACT with pupils. (No school-site services will be provided.)
- ☐ 2) The VENDOR and its employees will have LIMITED CONTACT with pupils. (Attach information about length of time on school grounds, proximity of work area to pupil areas; whether VENDOR/its employees will be working by themselves or with others, and any other factors that substantiate limited contact.) [EC 45125.1 (c)]
- ☐ 3) The VENDOR and its employees will have more than LIMITED CONTACT with pupils but will assure that ONE (1) OR MORE of the following methods are utilized to ensure pupil safety. [EC 45125.2 (a)]
- Check all methods to be used:
- ☐ Installation of a physical barrier at the worksite to limit contact with students
- ☐ Continual supervision and monitoring of all employees of the VENDOR by an employee of the VENDOR who has not been convicted of a serious or violent felony as ascertained by the DOJ
- ☐ Surveillance of employees of the VENDOR by school personnel
- ☐ The services provided by the VENDOR are for an "EMERGENCY OR EXCEPTIONAL SITUATION," such as when pupil health or safety is endangered or when repairs are needed to make school facilities safe and habitable." [EC 45125.1(b)]

By signing below, under penalty of perjury, I certify that the information contained on this certification form and attached employee list(s) is accurate. I understand that it is the VENDOR'S sole responsibility to maintain, update, and provide the District with current "Fingerprint and Criminal Background Check Certification," along with the employee list, throughout the duration of VENDOR provided services.

Authorized VENDOR signature

Printed Name

Title

Date

SERVICES MAY BEGIN AFTER THE CONTRACT IS EXECUTED

**EXHIBIT B: OBJECTIVES AND PERFORMANCE ACTIVITIES FOR WELLNESS CENTER AT _____
OPERATING AGREEMENT # _____.**

Major Strategic Objectives (from commencing operations):

1. By 6 months, the Wellness Center will have an active Youth Advisory Board.
2. By 6 months, the Wellness Center will have an established referral network including community partners.
3. By 6 months, the Wellness Center will have school plan for in-reach, outreach and education of all staff and students.
4. By 18 months, data sharing agreements will be established with robust data exchange systems operating to enhance patient and population health.
5. By 18 months, the Wellness Center will be operating at full-time (40 hours/ week) with families able to establish a patient centered medical home.
6. By 18 months, a minimum of 30% of the student enrolled in the host school will be served by the Wellness Center clinic as the student's designated medical home.
7. By 18 months, at least 30% of all students will have been screened for asthma, obesity, dental disease, mental health conditions, and STI's.
8. By 30 months, the Wellness Center will demonstrate improved access to primary care for students on campus, and improved contraception use, greater depression treated, and improved school attendance.

Use of the Performance Activities grid

- Wellness Coordinating Councils (partnerships of school staff, community members, clinic staff, and other agencies,) with a minimum of 50% parents and students, will guide how each of the Wellness Center services will be provided given current resources, needs, and organizational structure.
- The Performance Activities grid should be completed by either a Wellness Coordinating Council, or a Wellness Planning Group, with responsible parties designated for each activity, as well as expected outcomes at 6 months, 18 months, and 30 months.
- Activities will be reviewed at minimum every 6 months to determine how well the Wellness Center is operating, and the Performance Activities grid will be updated with **outcomes** at 6 months, 18 months, and 30 months.

For reference, the student enrollment in host school: 2012 _____; 2013 (projected) _____; 2014 (projected) _____

PERFORMANCE ACTIVITIES GRID: ADMINISTRATIVE SERVICES

Activities	Responsible Parties (school, staff, &/or clinic)	Expected Outcomes (6 months)	Expected Outcomes (18 months)	Expected Outcomes (30 months)
1. Develop and implement school-wide Wellness Center parent consent for services (i.e. through the annual school enrollment process).	<input type="checkbox"/> School <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> Develop consent procedure Outcome: _____ _____ _____	<input type="checkbox"/> 75% consents signed <input type="checkbox"/> _____% signed Outcome: _____ _____ _____	<input type="checkbox"/> 100% signed <input type="checkbox"/> _____% signed Outcome: _____ _____ _____
2. Compliance with HIPAA and FERPA	<input type="checkbox"/> All	<input type="checkbox"/> 100% compliance Outcome: _____ _____ _____	<input type="checkbox"/> 100% compliance Outcome: _____ _____ _____	<input type="checkbox"/> 100% compliance Outcome: _____ _____ _____
3. Develop and maintain Wellness Network referral process and coordination of services	<input type="checkbox"/> Wellness Coordinator <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> Develop coordination plan and referral process Outcome: _____ _____ _____	<input type="checkbox"/> Implement coordination and referrals Outcome: _____ _____ _____	<input type="checkbox"/> Increase coordination and referrals Outcome: _____ _____ _____
4. Participate in Coordination of Services Team (COST)	<input type="checkbox"/> All <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> School staff and clinical providers attend monthly Outcome: _____ _____ _____	<input type="checkbox"/> School staff and clinical providers attend monthly Outcome: _____ _____ _____	<input type="checkbox"/> School staff and clinical providers attend monthly Outcome: _____ _____ _____
5. Participate in the Wellness Network evaluations (OSHPD, UDS, and clinic and school records)	<input type="checkbox"/> All <input type="checkbox"/> Wellness Coordinator <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> 100% compliance Outcome: _____ _____ _____	<input type="checkbox"/> 100% compliance Outcome: _____ _____ _____	<input type="checkbox"/> 100% compliance Outcome: _____ _____ _____
6. Participate in Learning Collaborative meetings	<input type="checkbox"/> School <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> Team attends all LC meetings Outcome: _____ _____ _____	<input type="checkbox"/> Team attends all LC meetings Outcome: _____ _____ _____	<input type="checkbox"/> Team attends all LC meetings Outcome: _____ _____ _____

PERFORMANCE ACTIVITIES GRID: MEDICAL SERVICES

For all activities and outcomes, number treated or number participated in activity will need to be reported.

Activities	Responsible Parties (school, staff, &/or clinic)	Expected Outcomes (6 months)	Expected Outcomes (18 months)	Expected Outcomes (30 months)
1. Establish regular clinical hours throughout the school year, making health care accessible to students and community.	<input type="checkbox"/> Clinic provider <input type="checkbox"/> _____	<input type="checkbox"/> At least 15hrs/wk (clinical hours) <input type="checkbox"/> At least _____ hrs/wk Outcome: _____	<input type="checkbox"/> At least 20 hrs/wk <input type="checkbox"/> At least _____ hrs/wk Outcome: _____	<input type="checkbox"/> At least 40 hrs/wk <input type="checkbox"/> At least _____ hrs/wk Outcome: _____
2. Conduct health insurance eligibility screening and enrollment into Medi-Cal, Healthy Families or other public plan.	<input type="checkbox"/> CHAMP <input type="checkbox"/> Clinic provider <input type="checkbox"/> _____ <input type="checkbox"/> _____	<input type="checkbox"/> Screen 100% of all students seen <input type="checkbox"/> Screen _____ % student Outcome: _____	<input type="checkbox"/> Enroll # _____ students into health insurance <input type="checkbox"/> Enroll # _____ community members Outcome: _____	<input type="checkbox"/> Enroll # _____ students <input type="checkbox"/> Enroll # _____ community members Outcome: _____
3. A minimum of 10% of all clinic visits will be provided for students	<input type="checkbox"/> Clinic provider <input type="checkbox"/> _____	<input type="checkbox"/> At least 10% of total seen are students <input type="checkbox"/> At least _____ % student Outcome: _____	<input type="checkbox"/> At least 30% of total seen are students <input type="checkbox"/> At least _____ % student Outcome: _____	<input type="checkbox"/> At least 50% of total seen are students <input type="checkbox"/> At least _____ % student Outcome: _____
4. Provide prevention services: a. Health screenings b. Well-child / adolescent services (including IZ)	<input type="checkbox"/> Clinic provider <input type="checkbox"/> _____	<input type="checkbox"/> Provide screening for pregnancy, STI, asthma, obesity <input type="checkbox"/> Provide well-child services Outcome (baseline #s): _____	<input type="checkbox"/> Provide 10% more health screenings <input type="checkbox"/> Provide 20% more well-child services Outcome (improvement): _____	<input type="checkbox"/> Provide 20% more health screenings <input type="checkbox"/> Provide 30% more well child services Outcome (improvement): _____
5. Provide acute care services/treatment (tx)	<input type="checkbox"/> Clinic provider <input type="checkbox"/> _____	<input type="checkbox"/> Provide tx (or referral) for preg., STI, asthma <input type="checkbox"/> Provide tx for: _____ Outcome (baseline #s): _____	<input type="checkbox"/> Provide tx (or referral) for pregnancy, STI, asthma <input type="checkbox"/> Provide tx for: _____ Outcome (improvement): _____	<input type="checkbox"/> Provide tx (or referral) for pregnancy, STI, asthma <input type="checkbox"/> Provide tx for: _____ Outcome (improvement): _____
6. Additional activities:	<input type="checkbox"/> _____	<input type="checkbox"/> _____	<input type="checkbox"/> _____	<input type="checkbox"/> _____

PERFORMANCE ACTIVITIES GRID: MENTAL HEALTH

For all activities and outcomes, number treated or number participated in activity will need to be reported.

Activities	Responsible Parties (school, staff, &/or clinic)	Expected Outcomes (6 months)	Expected Outcomes (18 months)	Expected Outcomes (30 months)
1. Provide screening and prevention services for: a. Depression b. Trauma c. Substance abuse	<input type="checkbox"/> MH provider <input type="checkbox"/> Clinic provider <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> Provide prevention or screening for depression, trauma, substance abuse <i>Outcome (baseline #s):</i> _____ _____	<input type="checkbox"/> Provide 10% more screening and prevention services <input type="checkbox"/> Provide ____ % more <i>Outcome (improvement):</i> _____ _____	<input type="checkbox"/> Provide 20% more screening and prevention services <input type="checkbox"/> Provide ____ % more <i>Outcome (improvement):</i> _____ _____
2. Provide treatment or referral for: a. Depression b. Trauma c. Substance abuse d. Other	<input type="checkbox"/> MH Provider <input type="checkbox"/> Clinic provider <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> Provide tx or referral for depression, trauma, substance abuse, other _____ <i>Outcome (baseline #s):</i> _____ _____	<input type="checkbox"/> Provide tx or referral for depression, trauma, substance abuse, other _____ <i>Outcome (improvement):</i> _____ _____	<input type="checkbox"/> Provide tx or referral for depression, trauma, substance abuse, other _____ <i>Outcome (improvement):</i> _____ _____
3. Delivery of evidence based practices (EBP)	<input type="checkbox"/> MH Provider <input type="checkbox"/> Clinic provider <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> Develop plan for EBP use in school setting <i>Outcome:</i> _____ _____	<input type="checkbox"/> Implement EBP(s) in school setting <i>Outcome:</i> _____ _____	<input type="checkbox"/> Provide ____ % more EBP screening or tx services <input type="checkbox"/> Document decreased need for tx services <i>Outcome:</i> _____ _____
4. Provide evaluation and coordination of MH care	<input type="checkbox"/> MH provider <input type="checkbox"/> Clinic provider <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> Develop referral protocol <i>Outcome:</i> _____ _____	<input type="checkbox"/> Implement coordination of MH care <i>Outcome:</i> _____ _____	<input type="checkbox"/> Document decreased need for tx services <i>Outcome:</i> _____ _____
5. Additional activities:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PERFORMANCE ACTIVITIES GRID: ORAL HEALTH SERVICES

For all activities and outcomes, number treated or number participated in activity will need to be reported.

Activities	Responsible Parties (school, staff, &/or clinic)	Expected Outcomes (6 months)	Expected Outcomes (18 months)	Expected Outcomes (30 months)
1. Provide oral health (OH) education programs	<input type="checkbox"/> Clinic provider <input type="checkbox"/>	<input type="checkbox"/> Plan and pilot OH education Outcome: _____	<input type="checkbox"/> Conduct OH education Outcome (baseline #s): _____	<input type="checkbox"/> Increase OH education Outcome (improvement #s): _____
2. Conduct oral health screening	<input type="checkbox"/> Clinic provider <input type="checkbox"/>	<input type="checkbox"/> Plan and pilot OH screening as part of well child visit Outcome: _____	<input type="checkbox"/> Implement OH screening Outcome (baseline #s): _____	<input type="checkbox"/> Increase OH screening Outcome (improvement #s): _____
3. Provide referrals, coordination of care for OH	<input type="checkbox"/> Clinic provider <input type="checkbox"/>	<input type="checkbox"/> Develop list for OH referrals and coordination plan Outcome: _____	<input type="checkbox"/> Implement referral and coordination plan Outcome: _____	<input type="checkbox"/> Increase referral network and number with coordinated care Outcome: _____
4. Provide oral health prevention, including cleaning, sealants and varnish, when applicable	<input type="checkbox"/> Clinic provider <input type="checkbox"/>	<input type="checkbox"/> Provide ___# students OH prevention Outcome: _____	<input type="checkbox"/> Provide ___# of students Provide ___# community members OH prevention Outcome: _____	<input type="checkbox"/> Provide ___# of students Provide ___# community members OH prevention Outcome: _____
5. Provide oral health treatment, including restorative services	<input type="checkbox"/> Clinic provider <input type="checkbox"/>	<input type="checkbox"/> Provide ___# students OH tx Outcome: _____	<input type="checkbox"/> Provide ___# of students Provide ___# community members OH tx Outcome: _____	<input type="checkbox"/> Provide ___# of students Provide ___# community members OH tx Outcome: _____
6. Additional activities:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PERFORMANCE ACTIVITIES GRID: HEALTH EDUCATION SERVICES

Activities	Responsible Parties (school, staff, &/or clinic)	Expected Outcomes (6 months)	Expected Outcomes (18 months)	Expected Outcomes (30 months)
1. Plan and implement a health promotion plan (about the importance of health care, access and use of services, including sensitive services)	<input type="checkbox"/> Clinic <input type="checkbox"/> School Admin <input type="checkbox"/> Student leaders <input type="checkbox"/> Agency partners	<input type="checkbox"/> Develop and pilot health promotion plan Outcome: _____	<input type="checkbox"/> Implement health promotion plan Outcome: _____	<input type="checkbox"/> Implement health promotion plan campus wide Outcome: _____
2. Plan and implement an evidence based pregnancy and STI prevention program	<input type="checkbox"/> Clinic <input type="checkbox"/> School <input type="checkbox"/> Student leaders <input type="checkbox"/> Agency partners	<input type="checkbox"/> Develop & pilot sexual health promotion plan Outcome: _____	<input type="checkbox"/> Implement sexual health promotion plan Outcome: _____	<input type="checkbox"/> Implement sexual health promotion campus wide Outcome: _____
3. Plan and implement an evidence based obesity prevention program	<input type="checkbox"/> Clinic <input type="checkbox"/> School <input type="checkbox"/> Student leaders <input type="checkbox"/> Agency partners	<input type="checkbox"/> Develop & pilot obesity prevention plan Outcome: _____	<input type="checkbox"/> Implement obesity prevention plan Outcome: _____	<input type="checkbox"/> Implement obesity prevention plan campus wide Outcome: _____
4. Additional activities:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PERFORMANCE ACTIVITIES GRID: STUDENT ENGAGEMENT/ADVOCACY

Activities	Responsible Parties (school, staff, &/or clinic)	Expected Outcomes (6 months)	Expected Outcomes (18 months)	Expected Outcomes (30 months)
1. Convene Youth Advisory Board (YAB)	<input type="checkbox"/> All <input type="checkbox"/> _____ <input type="checkbox"/> _____	<input type="checkbox"/> At least ___# students participate on YAB <input type="checkbox"/> At least 2 students participate on Wellness Coordinating Council Outcome: _____	<input type="checkbox"/> At least ___# students on YAB <input type="checkbox"/> YAB recs integrated into decisions Outcome: _____	<input type="checkbox"/> At least ___# students on YAB <input type="checkbox"/> YAB recs integrated into decisions Outcome: _____
2. Provide student mentorship in health careers and training and leadership development (communication; leadership skills; basic health; confidentiality)	<input type="checkbox"/> School <input type="checkbox"/> Clinic Provider <input type="checkbox"/> Students <input type="checkbox"/> _____	<input type="checkbox"/> Provide mentoring and experiences in health careers to ___# students Outcome: _____	<input type="checkbox"/> Mentoring and experiences in health careers to ___# students Outcome: _____	<input type="checkbox"/> Add youth leadership training for ___# students Outcome: _____
3. Support peer to peer health promotion	<input type="checkbox"/> School <input type="checkbox"/> Clinic Provider <input type="checkbox"/> Students <input type="checkbox"/> _____ <input type="checkbox"/> _____	<input type="checkbox"/> Develop plan and pilot peer to peer program Outcome: _____	<input type="checkbox"/> Pilot or implement peer to peer program (___# students) Outcome: _____	<input type="checkbox"/> Implement or expand peer to peer program, reaching ___# students Outcome: _____
4. Additional activities:	<input type="checkbox"/> _____	<input type="checkbox"/> _____	<input type="checkbox"/> _____	<input type="checkbox"/> _____

PERFORMANCE ACTIVITIES GRID: FAMILY ENGAGEMENT SERVICES

Activities	Responsible Parties (school, staff, &/or clinic)	Expected Outcomes (6 months)	Expected Outcomes (18 months)	Expected Outcomes (30 months)
1. Ensure parent representation at Wellness Coordinating Council meetings.	<input type="checkbox"/> All <input type="checkbox"/> _____ <input type="checkbox"/> _____	<input type="checkbox"/> 75% meetings with parent rep <input type="checkbox"/> _____% meetings with parent rep Outcome: _____	<input type="checkbox"/> 80% meetings with parent rep <input type="checkbox"/> _____% meetings with parent rep Outcome: _____	<input type="checkbox"/> 100% of meetings with parent rep <input type="checkbox"/> _____% meetings with parent rep Outcome: _____
2. Provide health-related family engagement events	<input type="checkbox"/> All <input type="checkbox"/> _____ <input type="checkbox"/> _____	<input type="checkbox"/> Provide kick-off event for Wellness Center/Network Outcome: _____	<input type="checkbox"/> Provide health promotion event for families Outcome: _____	<input type="checkbox"/> Provide health promotion for feeder schools/community Outcome: _____
3. Provide family support (adult education, job training, legal services, housing, child care, etc.)	<input type="checkbox"/> All <input type="checkbox"/> _____ <input type="checkbox"/> _____	<input type="checkbox"/> Provide supports or referrals to family support at Wellness Center Outcome: _____	<input type="checkbox"/> Provide family support at Wellness Center to _____# families Outcome: _____	<input type="checkbox"/> Provide family support at Wellness Center to _____# families Outcome: _____
4. Additional activities:	<input type="checkbox"/> _____	<input type="checkbox"/> _____	<input type="checkbox"/> _____	<input type="checkbox"/> _____
5. Additional activities:	<input type="checkbox"/> _____	<input type="checkbox"/> _____	<input type="checkbox"/> _____	<input type="checkbox"/> _____



LOS ANGELES UNIFIED SCHOOL DISTRICT
Contractor Code of Conduct
(adopted 11/02, revision effective 11/06)

Preamble

Los Angeles Unified School District's Contractor Code of Conduct was adopted to enhance public trust and confidence in the integrity of LAUSD's decision-making process. This Code is premised on three concepts:

- *Ethical and responsible use of scarce public tax dollars is a critical underpinning of effective government*
- *Contracting integrity and quality of service are the shared responsibilities of LAUSD and our Contractors*
- *Proactive and transparent management of potential ethics concerns improves public confidence*

This Code sets forth the ethical standards and requirements that all Contractors and their Representatives shall adhere to in their dealings with or on behalf of LAUSD. Failure to meet these standards could result in sanctions including, but not limited to, avoidance of current or future contracts.

1. Contractors

All LAUSD Contractors and their Representatives are expected to conduct any and all business affiliated with LAUSD in an ethical and responsible manner that fosters integrity and public confidence. A "Contractor" is any individual, organization, corporation, sole proprietorship, partnership, nonprofit, joint venture, association, or any combination thereof that is pursuing or conducting business with and/or on behalf of LAUSD, including, without limitation, consultants, suppliers, manufacturers, and any other vendors, bidders or proposers. A Contractor's "Representative" is also broadly defined to include any subcontractors, employees, agents, or anyone else who acts on a Contractor's behalf.

2. Mission Support

LAUSD relies on Contractors and their Representatives to support our LAUSD mission statement of "*educating students to a higher level of achievement that will enable them to be responsible individuals and productive members of the greater society.*" Contractors and their Representatives must provide high-value products, services and expertise which advance LAUSD's mission or provide mission-related benefits that support our goals for the students, employees, stakeholders, and the communities we serve.

3. Ethical Responsibilities

All LAUSD contracts must be developed and maintained within an ethical framework. LAUSD seeks to promote public trust and confidence in our contracting relationships and we expect every individual, regardless of position or level of responsibility, who is associated with an LAUSD procurement process or contract, to commit to exemplifying high standards of conduct in *all phases* of any relationship with LAUSD.

Given that the business practices and actions of Contractors and their Representatives may impact or reflect upon LAUSD, strict observance with the standards in this Code, all applicable local, state and federal laws, and any other governing LAUSD policies or agreements is not only a minimum requirement for all Contractors and their Representatives, but an ethical obligation as well.

In addition to any specific obligations under a Contractor's agreement with LAUSD, all Contractors and their Representatives shall comply with the following requirements:

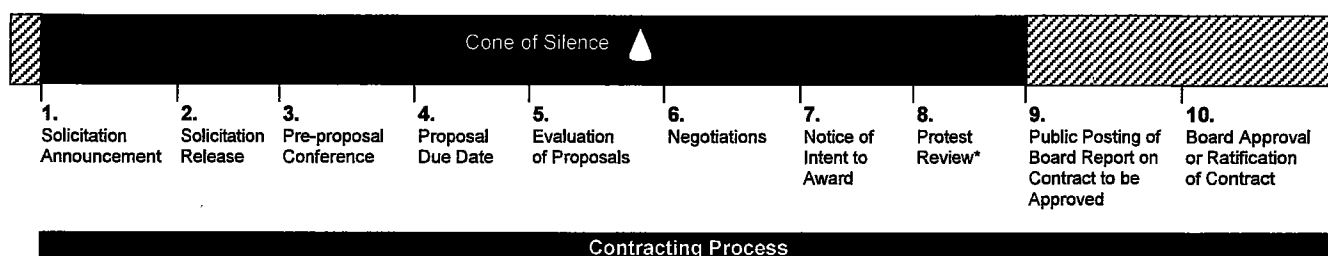
- A. Demonstrate Honesty and Integrity** – Contractors shall adhere to the highest standards of honesty and integrity in all their dealings with and/or on behalf of LAUSD. As a general rule, Contractors must exercise caution and avoid *even the appearance of impropriety or misrepresentation*. All communications, proposals, business information, time records, and any other financial transactions must be provided truthfully, accurately, and completely.
- B. Be a Responsible Bidder** – Contractors shall demonstrate a record of integrity and business ethics in accordance with all policies, procedures, and requirements established by LAUSD.
 - (1) Critical Factors** – In considering a Contractor's record of integrity and business ethics, LAUSD may consider factors including, but not limited to: criminal investigations, indictments, injunctions, fines, convictions, administrative agreements, suspensions or debarments imposed by other governmental agencies, tax

delinquencies, settlements, financial solvency, past performance, prior determinations of failure to meet integrity-related responsibilities, and violations by the Contractor and its Representatives of any LAUSD policies and Codes in prior procurements and contracts. LAUSD reserves the right to reject any bid, proposal and contract, and to impose other sanctions against Contractors who fail to comply with our district policies and requirements, or who violate the prohibitions set forth below in Section 6, Prohibited Activities.

C. *Maintain the Cone of Silence* – Contractors shall maintain a Cone of Silence during required times of the contracting process to ensure that the process is shielded from even the appearance of undue influence. Contractors and their Representatives risk disqualification from consideration and/or other penalties outlined in Section 8, Enforcement Provisions, if they engage in prohibited communication during the restricted period(s).

- (1) **Competitive Contracting Process** – To ensure a level playing field with an open and uniform *competitive* contracting process, Contractors and their Representatives must maintain a Cone of Silence from the time when an Invitation for Bid (IFB), Request for Proposal (RFP), Request for Interest and Bid (RFIB), Request for Quote, Request for Qualification, or any other solicitation release is announced until the time a contract award recommendation is made public by the Board Secretariat's posting of the board report for the contract to be approved. During the time under the Cone of Silence, Contractors and their Representatives are prohibited from making any contact on any part of a proposal, negotiation or contract with any LAUSD official as this could appear to be an attempt to curry favor or influence. An "LAUSD official" is broadly defined to include "any board member, employee, consultant or advisory member of LAUSD" who is involved in making recommendations or decisions for LAUSD.

Schematic of LAUSD's Competitive Contracting Process (Illustrative Only)



Lobbying in this period may require registration and disclosure in LAUSD's Lobbying Disclosure Program, if the triggers are met.

* Note: Protests can sometimes extend past the contract approval process

(a) **Prohibited Communication** – Examples of prohibited communication by Contractors and their Representatives under the Cone of Silence include, but are not limited to:

- (i) contact of LAUSD Officials, including members of the department initiating a contract, or members who will serve on an evaluation team for any contract information that is not uniformly available to all other bidders, proposers or contractors;
- (ii) contact of LAUSD Officials, including Board Members and their staff, to lobby on any aspect relating to a contract matter under consideration, negotiation, protest or dispute;
- (iii) contact of LAUSD Officials in the particular department requesting a competitive contract to discuss other business or partnership opportunities.

(b) **Exceptions** – The following are exceptions to the Cone of Silence:

- (i) open and uniform communications which are made as part of the procurement process such as the pre-bid or pre-proposal meetings or other exchanges of information which are given to all proposers;
- (ii) interviews or presentations to evaluation committee members which are part of the procurement process;
- (iii) clarification requests made in writing, under the terms expressly allowed for in an LAUSD contracting document, to the appropriate designated contract official(s);
- (iv) negotiations with LAUSD's designated negotiation team members;
- (v) protests which follow the process outlined by LAUSD's protest policies and procedures; and
- (vi) requests for technical assistance approved by LAUSD contract officials (for example questions relating to LAUSD's Small Business Enterprise Program, or requests for formal guidance on ethics matters from the Ethics Office).

- (2) **Non-Competitive Contracting Process** – To ensure the integrity of the non-competitive contracting process, Contractors and their Representatives must maintain a Cone of Silence from the time when a proposal is submitted to LAUSD until the time the contract is fully executed. During this designated time, Contractors and their Representatives are prohibited from making any contact with LAUSD officials on any of the terms of the contract under consideration as this could appear to be an attempt to curry improper favor or influence. The only

exceptions to this Cone of Silence are clarification requests made with the Contract Sponsor or the appropriate designated contract official(s) in the Procurement Services Group or Facilities Contracts Branch.

Examples of Maintaining the Cone of Silence

- (3) Mai Vien Da is the CEO of a firm that wants to do business with LAUSD. She is at a party when she sees the head of the LAUSD division that has just issued an RFP that her company is interested in bidding on.

Mai can say "hello," but she must not discuss her proposal or the contracting process at all with the division head.

- (4) Mai is also interested in having her sales team meet with LAUSD officials district-wide to promote her firm's services, so that they can sell work on smaller projects that do not need to be competitively bid.

Mai and her employees may attempt to meet with district officials to discuss potential services outside of a competitive process, but she needs to recognize that her marketing activities may require her to register her firm and her employees in LAUSD's Lobbying Disclosure Program. (See Section 5, Disclosure Obligations).

D. **Manage Potential Conflicts** – Contractors shall disclose all potential or actual conflicts to LAUSD on an ongoing basis with a Meaningful Conflict Disclosure. A "Meaningful Conflict Disclosure" is a written statement to LAUSD which lays out full, accurate, timely, and understandable information with regard to any potential conflicts involving Contractors and their work for LAUSD. The specific requirements for a Meaningful Conflict Disclosure are set forth in Section 3.D.(2) below. LAUSD relies on these proactive disclosures by Contractors to manage potential conflicts before they become actual conflicts of interest. A potential for conflict is present whenever a situation arises which creates a real or apparent advantage or a competing professional or personal interest for a Contractor. Such situations become conflicts of interest, if appropriate safeguards are not put into place. Examples of potential or actual conflicts include, but are not limited to situations when:

- a financial relationship (income, stocks, ownership, investments, loans, excessive gifts, etc.) or close personal relationship exists or has existed between a Contractor or its Representatives and a LAUSD official;
- a financial or close personal relationship exists between any officers, directors or key employees of a Contractor or its Representatives and a LAUSD official;
- a prior, current or potential employment relationship exists between a Contractor or its Representatives and a current or former LAUSD official;
- an overlap exists between work that a Contractor or its Representative performs or has performed for LAUSD and work he or she will perform on behalf of another client; or
- an opportunity arises in which a Contractor or its Representative can make a governmental decision within the scope of LAUSD contractual duties that impacts his or her personal financial interests or relationships,

Contractors and their Representatives have a *continuing* obligation to advise LAUSD proactively of any potential conflicts which may arise relating to a contract.

- (1) **State Conflict Standards** – LAUSD is generally prohibited by California's Political Reform Act (Government Code Section 87100) and Government Code Section 1090 from contracting with Contractors if the Contractors, their Representatives, their officers, or any household member of the preceding serve LAUSD in any way in developing, awarding, or otherwise participating in the making of the same contract.

California law also governs situations in which there has been a financial interest between a Contractor and a public official within a 12-month window leading up to a governmental decision. It does not matter whether the impact of an existing relationship is beneficial or detrimental to the interests of the Contractors, their Representatives, or the public agency. Moreover, Government Code Section 1090 defines "making a contract" broadly to include actions that are preliminary or preparatory to the selection of a Contractor such as but not limited to: involvement in the reasoning, planning, and/or drafting of scopes of work, making recommendations, soliciting bids and requests for proposals, and/or participating in preliminary discussions or negotiations.

Any contract made in violation of Section 1090 is void and cannot be enforced. When Section 1090 is violated, a government agency is not obligated to pay the Contractor for any goods or services received under the void contract. In fact, the agency can also seek repayment from the Contractor of any amounts already paid and the agency can refer the matter to the appropriate authorities for prosecution.

- (2) **Meaningful Conflict Disclosure** – Contractors shall provide a meaningful disclosure of all potential and actual conflicts in a written statement to the LAUSD Contract Sponsor, the Ethics Office and the contracting contact from the Procurement Services Group/or the Facilities Contracts Branch. This disclosure requirement is a continuing duty on all Contractors. At a minimum, a Meaningful Conflict Disclosure must identify the following:
- (a) names and positions of all relevant individuals or entities;
 - (b) nature of the potential conflict, including specific information about the financial interest or relationship; and
 - (c) a description of the suggested remedy or safeguard for the conflict.

- (3) **Resolution of Conflicts** – When necessary, LAUSD will advise Contractors on how a disclosed conflict should be managed, mitigated or eliminated. The Contract Sponsor, in consultation with the Procurement Services Group/Facilities Contracts Branch, the Ethics Office, and the Office of the General Counsel, shall determine necessary actions to resolve any of the Contractors' disclosed conflict(s). When it is determined that a conflict must be addressed, a written notification will be made to the Contractor, indicating the actions that the Contractor and LAUSD will need to take to resolve the conflict.

Examples of Managing Potential Conflicts

- (4) Rhoda Warrior is a consultant from Global Consulting Firm. She has been assigned by her firm to do work for a particular LAUSD department. Although she does not directly work with him, her husband, Antonio, is one of the senior officials in that department.

Global Consulting must disclose this potential problem via a Meaningful Conflict Disclosure to LAUSD. Depending on the exact nature of her work within that department, Global Consulting and the LAUSD Contract Sponsor may need to take steps to safeguard Rhoda's work from any actual conflict of interest.

- (5) Amartya Singh is a HR consultant from the Tip Top Talent Agency whose firm is providing temporary support to help LAUSD improve its recruitment efforts. Amartya is himself serving as acting deputy director for the HR division, and in that capacity has been asked to review and approve all bills for the department. In doing his work, Amartya comes across a bill for the Tip Top Talent Agency which requires approval.

Tip Top Talent Agency must disclose the conflict and work with LAUSD to ensure that someone more senior or external to Amartya's chain-of-command is the one that reviews, evaluates, or approves bills relating to Tip Top Talent Agency. Even if Amartya decides to quit Tip Top Talent to join LAUSD, he cannot be involved with matters relating to Tip Top Talent until 12 months have passed from the date he received his last payment from the firm.

- (6) Greta Planner is a technology consultant that has been hired to design all the specifications for a group of new technology labs. One of the services that Greta will be specifying is an automated wireless projection system. As it turns out, Greta owns direct stock in a firm that manufactures these types of projection systems.

Greta's direct stock ownership constitutes a financial interest in that company. She must disclose the potential conflict right away in writing to the LAUSD Contract Sponsor, so that the appropriate safeguards can be put in place to prevent any actual conflict.

- E. **Provide Contracting Excellence** – Contractors are expected to deliver high quality, innovative and cost-effective goods and services to LAUSD, so that the public is served with the best value for its dollars.
- F. **Promote Ethics Standards** – Contractors shall be responsible for ensuring that their Representatives, regardless of position, understand and comply with the duties and requirements outlined in this Code and to ensure that their behavior, decisions, and actions demonstrate the letter and spirit of this Code. Contractors may draw upon the resources provided by LAUSD, including but not limited to those made available by the Ethics Office, the Procurement Services Group, and the Facilities Contracts Branch. Such training resources and additional information about LAUSD policies can be found on LAUSD's website (www.lausd.net).
- G. **Seek Advice** – Contractors are expected and encouraged to ask questions and seek formal guidance regarding this Code or other aspects of responsible business conduct from the LAUSD Ethics Office whenever there is a doubt about how to proceed in an ethical manner. A Contractor's proactive management of potential ethics concerns is necessary and vital since this Code does not seek to address or anticipate all the issues that may arise in the course of seeking or doing business with LAUSD.

Example of Seeking Advice

- (1) Abe Iznismann is President of Accelerated Sciences, a new company that makes supplemental teaching tools in the sciences. Over the summer, Abe hired Grace Principle, a seasoned LAUSD administrator who now works in teacher recruitment, to consult with Accelerated Sciences in developing a cutting-edge learning tool. Originally, the company planned to sell the products only to schools in other states, but now it wants to sell the products in California and possibly to LAUSD. Abe wants to work with Grace to develop a win-win strategy for offering the new tools to LAUSD at a discount.

Accelerated Sciences needs to be very careful to ensure that Grace is not involved in any aspect relating to selling the product to LAUSD, especially since Grace has a financial interest with the firm. Remember, under California law, the mere existence of a financial interest creates a concern that will cause the good faith of any acts to be questioned, no matter how conscientious the individuals. Before undertaking any effort to sell to LAUSD, Abe or another manager at Accelerated Sciences should seek out advice on other safeguarding measures to ensure that their good intentions do not inadvertently create a bad outcome for the firm or Grace.

4. Relationship Management

LAUSD expects Contractors and their Representatives to ensure that their business dealings with and/or on behalf of LAUSD are conducted in a manner that is above reproach.

- A. *Employ Good Practices* – Contractors and their Representatives shall conduct their employment and business practices in full compliance with *all* applicable laws, regulations and LAUSD policies, including but not limited to the following:
 - (1) *Equal Employment Opportunity* – Contractors shall ensure that there is no discrimination in hiring due to race, color, religious creed, national origin, ancestry, marital status, gender, sexual orientation, age, or disability.
 - (2) *Health and Safety* – Contractors shall provide a safe and healthy work environment and fully comply with all applicable safety and health laws, regulations, and practices.
 - (3) *Drug Free Environment* – Contractors shall ensure that there is no manufacture, sale, distribution, possession or use of illegal drugs or alcohol on LAUSD-owned or leased property.
 - (4) *No Harassment* – Contractors shall not engage in any sexual or other harassment, physical or verbal abuse, or any other form of intimidation.
 - (5) *Sweat-Free Conditions* – Contractors shall ensure that no child and/or forced or indentured labor is used in their supply chain. Contractors shall require that all goods provided to LAUSD are made in compliance with the governing health, safety and labor laws of the countries of origin. Additionally, Contractors shall ensure that workers are free from undue risk of physical harm or exploitation and receive a non-poverty wage.
- B. *Use Resources Responsibly* – Contractors and their Representatives shall use LAUSD assets for LAUSD business-related purposes only unless given written permission for a specific exception by an authorized LAUSD official. LAUSD assets include: time, property, supplies, services, consumables, equipment, technology, intellectual property, and information.
- C. *Protect Confidentiality* – Contractors and their Representatives shall protect and maintain confidentiality of the work and services they provide to LAUSD. All communications and information obtained in the course of seeking or performing work for LAUSD should be considered confidential. No confidential information relating to LAUSD should ever be disclosed without express authorization by LAUSD in writing, unless otherwise legally mandated.
- D. *Guard the LAUSD Affiliation* – Contractors and their Representatives shall be cautious of how they portray their relationship with LAUSD to the Public. Communications on behalf of LAUSD can only be made when there is express written permission by an LAUSD official authorized by LAUSD's Office of General Counsel.
 - (1) *LAUSD Name and Marks* – Contractors shall ensure that all statements, illustrations or other materials using or referencing LAUSD or its marks and logos—including the names and logos of any of our sub-divisions, and/or any logos created by and for LAUSD—receive advance review and written approval of the relevant LAUSD division head prior to release or use.
 - (2) *Commercial or Advertising Message* – Contractors shall ensure that no commercial or advertising message, or any other endorsements—express or implied—are suggested or incorporated in any products, services, enterprises or materials developed for/or relating to LAUSD unless given written permission to do otherwise by LAUSD's Board of Education.
- E. *Respect Gift Limits* – Contractors and their Representatives shall abide by LAUSD's gift limits and use good judgment, discretion and moderation when offering gifts, meals or entertainment or other business courtesies to LAUSD officials, so that they do not place LAUSD officials in conflict with any specific gift restrictions:
 - (1) No Contractor or their Representative shall offer, give, or promise to offer or give, directly or indirectly, any money, gift or gratuity to any LAUSD procurement official at any time.
 - (2) No Contractor or their Representative shall offer or give, directly or indirectly, any gifts in a calendar year to an LAUSD Official which exceed LAUSD's allowable gift limit.

Example of Respecting Gift Limits

- (3) It's the holidays and Sue Tienda, a Contractor, wants to take a few LAUSD officials out to lunch and to provide them with gift baskets as a token of thanks for the work they have done together.

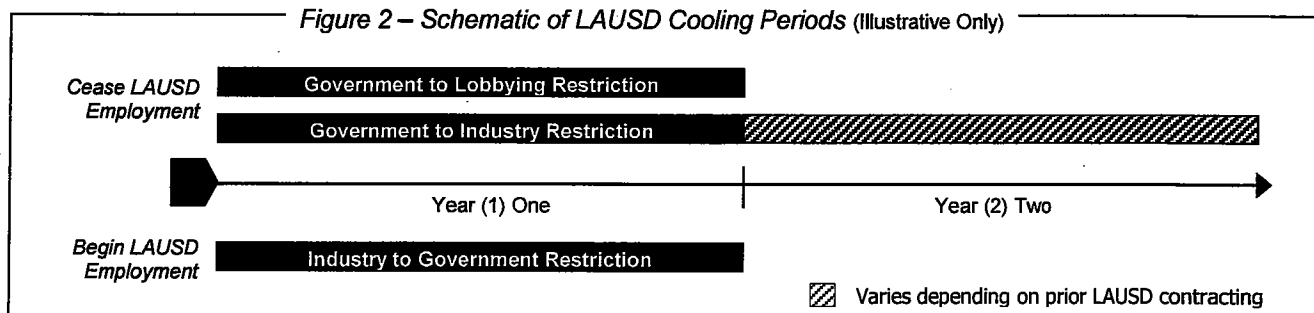
Assuming Sue is not attempting to take out any procurement officials (since they observe a zero tolerance policy on gifts), Sue needs to respect the Board-established gift limit for LAUSD officials. Sue should also be aware that giving a gift totaling over \$50 in a year to LAUSD officials will create a reporting responsibility for the officials, if

they are designated Form 700 Statement of Economic Interest filers. Additionally, if there is a procurement underway involving Sue or her firm, she should not give gifts to the LAUSD officials who are part of the evaluation process until the contract is awarded. Finally, Sue may also want to keep in mind that a nice personalized thank-you note can pack quite a punch!

Anyone doing business with LAUSD shall be charged with full knowledge that LAUSD's contracting decisions are made based on quality, service, and value. LAUSD does not seek any improper influence through gifts or courtesies.

- F. **Observe Cooling Periods** – Contractors and their Representatives shall observe and maintain the integrity of LAUSD's Cooling Periods. A "Cooling Period" is a mechanism used by public agencies and private organizations across the country to ensure that no unfair competitive advantage is extended due to the hiring of current or former employees. Allowing for some time to pass before a former official works on matters related to their prior agency or a new official works on matters related to their prior employer helps to mitigate concerns about the appearance of a "revolving door" where public offices are sometimes seen to be used for personal or private gain.

Contractors shall certify that they are upholding LAUSD's revolving door provisions as part of the contracting process. In their certification, Contractors shall detail the internal firewalls that have been put in place to preserve LAUSD's cooling periods. As with other public agencies, LAUSD observes three key types of cooling periods for safeguarding the critical transitions between public service and private industry:



- (1) **Government to Lobbying Restriction (One-Year Cooling Period)** – LAUSD will not contract with any entity that compensates a former LAUSD official who lobbies LAUSD before a one (1) year period has elapsed from that official's last date of employment

Example of Lobbying Restriction

Ace Impact Group wants to hire Joe Knowsfolks, a former LAUSD official, to help the company cultivate new business opportunities with LAUSD and arrange meetings with key LAUSD officials.

To avoid the possibility of unfair advantage or improper influence, Ace Impact Group is prohibited from utilizing Joe to contact anyone at LAUSD on their behalf until at least one year has passed from Joe's last date of employment. Joe may help Ace lobby other public entities, but Joe cannot communicate with anyone at LAUSD, either in person or in writing, on behalf of his new company.

- (2) **Government to Industry Restriction**

- (a) **Insider Advantage Restriction (One-Year Cooling Period)** – LAUSD will not contract with any entity that compensates any current or former LAUSD official to work on a matter with LAUSD, if that official, within the preceding 12 months, held a LAUSD position in which they personally and substantially participated in that matter.

Example of Insider Advantage Restriction

Risky Business is a small boutique firm that helps public agencies, including LAUSD, develop strategies for managing and overcoming their unfunded liability. Risky Business wants to extend an offer of employment to Nooriya, a LAUSD official, whose previous responsibilities included advising LAUSD's Board and management on the issue of the district's unfunded liability.

As part of its certification, Risky Business needs to identify what safeguards it will have in place to ensure that Nooriya's work for them does not include matters relating to her prior LAUSD responsibilities for at least one year from when she left her LAUSD job. Given that "matters" include broad policy decisions, the general rule of thumb for avoiding any insider advantage is to have former LAUSD officials steer clear of LAUSD work for a year.

- (b) **Contract Benefit Restriction (Two-Year Cooling Period)** – LAUSD will not contract with any entity that employs any current or former LAUSD official who within the preceding two (2) years, substantially participated in the development of the contract's RFP requirements, specifications or any part of the contract's procurement process, if the official will perform any services for the Contractor relating to LAUSD on that contract.

Example of Contracting Benefit Restriction

Technology Advances has just won a big contract with LAUSD and is looking for talent to help support the company's growing work load. The firm wishes to hire some LAUSD employees: Aisha, a LAUSD technology official, her deputy Raj who was the individual who oversaw LAUSD's contracting process with Technology Advances, and Linda, an engineer who was on the evaluation committee that selected Technology Advances.

If Technology Advances hires any of these individuals, none may perform any work for the firm relating to this LAUSD work until two years have elapsed from the date that the contract was fully executed. This case is a good example of how the cooling period seeks to ensure that there is no benefit resulting from a public official's awarding of a contract. All of the LAUSD employees in this example would be considered to have substantially participated in the contract – Raj due to his direct work, Linda due to her role evaluating the bid proposals, and Aisha due to the fact that supervising both employees is a part of her official responsibility. Technology Advances should consider the implications before hiring individuals involved with their LAUSD contracting process.

- (3) **Industry to Government Restriction (One-Year Cooling Period)** – In accordance with California law, Contractors and/or their Representatives who act in the capacity of LAUSD officials shall be disqualified from making any governmental decisions relating to a personal financial interest until a 12-month period has elapsed from the time the interest has been disposed or severed.

Example of Industry to Government Restriction

Sergei Konsultantov is an outside contractor that has been hired to manage a major reorganization project for LAUSD. Sergei is on the Board of Directors for several companies who do business with LAUSD.

Sergei must not participate in any governmental decisions for LAUSD relating to any private organization for whom he has served as an employee, officer, or director, even in an unpaid capacity, if less than 12 months has passed since he held such a status. Sergei should contact the Ethics Office before starting his work to put a formal disqualification into effect and to seek out any other ethical safeguards he should have in place.

- (4) In rare and unusual circumstances, LAUSD's General Superintendent or his/her designee upon a showing of good cause may waive the Insider Advantage Restriction in writing with notification to the Board of Education, prior to approving a contract or its amendment.

- G. **Safeguard Prospective Employment Discussions** – Contractors and their Representatives shall safeguard any prospective employment discussions with current LAUSD officials, especially when the official is one who may participate "personally and substantially" in a matter relating to the Contractor.

Example of Safeguarding an Employment Offer

- (1) **Audit Everything**, a firm that does work for LAUSD, has been really impressed by Thora Revue, an audit manager that oversees some of their audits. Audit Everything is interested in having Thora work for their firm.

Before Audit Everything begins any prospective discussions with Thora, they should let her supervisor know of their interest and ask what safeguards need to be put in place. For example, if Thora does not outright reject the idea and is instead interested in entertaining the offer, she and her manager will have to work with the Ethics Office to put into effect a disqualification from any further involvement relating to the Contractor before any actual employment discussions are allowed to proceed. Any Contractor who engages in employment discussions with LAUSD officials before a disqualification has been completed is subject to the penalties outlined in this Code.

- H. **Conduct Political Activities Privately** – Contractors and their Representatives shall only engage in political support and activities in their own personal and voluntary capacity, on their own time, and with their own resources.
- I. **Make Philanthropy Voluntary** – Contractors and their Representatives shall only engage in philanthropic activities relating to LAUSD on their own time and with their own resources. LAUSD views philanthropic support as a strictly voluntary opportunity for Contractors to demonstrate social responsibility and good citizenship. No expressions of support should be construed to have a bearing on current or future contracts with LAUSD. And no current or potential contracting relationship with LAUSD to provide goods or services is contingent upon any philanthropic support from

Contractors and their Representatives, unless otherwise designated as part of a bid or proposal requirement in an open, competitive contracting process to solicit a specific type of support.

- (1) **Guidelines for Making a Gift to a Public Agency** – Contractors who wish to provide philanthropic support to LAUSD shall abide by the ethical and procedural policies and requirements established by LAUSD which build upon the “Gifts to an Agency” requirements established in California’s Code of Regulations Section 18944.2. For outside entities to make a gift or payment to LAUSD in a manner that maintains public integrity, the following minimum requirements must be met:
 - (a) LAUSD must receive and control the payment;
 - (b) LAUSD must use the payment for official agency business;
 - (c) LAUSD, in its sole discretion, must determine the specific official or officials who shall use the payment. The donor may identify a specific purpose for the agency’s use of the payment, so long as the donor does not designate the specific official or officials who may use the payment; and
 - (d) LAUSD must have the payment memorialized in a written public record which embodies the requirements of the above provisions and which:
 - Identifies the donor and the official, officials, or class of officials receiving or using the payment;
 - Describes the official agency use and the nature and amount of the payment;
 - Is filed with the agency official who maintains the records of the agency’s Statements of Economic Interests (i.e. the Ethics Office); and
 - Is filed as soon as possible, but no later than 30 days of receipt of the payment by LAUSD.

5. Disclosure Obligations

LAUSD expects Contractors and their Representatives to satisfy the following public disclosure obligations:

- A. **Identify Current and Former LAUSD Officials** – To ensure against conflict or improper influence resulting from employment of current or former LAUSD employees, Contractors and their Representatives shall disclose any of their employees, subcontractors or consultants who within the last three years have been or are employees of LAUSD. The disclosure will be in accordance with LAUSD guidelines and will include at a minimum the name of the former LAUSD employee(s), a list of the LAUSD positions the person held in the last three years, and the dates the person held those positions. Public agencies that provide contract services are not subject to this requirement.
 - (1) In rare and unusual circumstances, LAUSD’s General Superintendent or his/her designee upon a showing of good cause may waive this disclosure requirement in writing with notification to the Board of Education, *prior* to approving a contract or its amendment.
- B. **Be Transparent about Lobbying** – Contractors and their Representatives shall abide by LAUSD’s *Lobbying Disclosure Code* and register and fulfill the associated requirements, if they meet the trigger(s). LAUSD’s lobbying policy seeks to enhance public trust and confidence in the integrity of LAUSD’s decision-making process by providing transparency via a public record of the lobbying activities conducted by individuals and organizations. A “lobbying activity” is defined as any action taken with the principal purpose of supporting, promoting, influencing, modifying, opposing, delaying or advancing any rule, resolution, policy, program, contract, award, decision, or other proposal under consideration by LAUSD officials.

For further information on LAUSD’s lobbying policy, Contractors and their Representatives shall review the resource materials available on the Ethics Office website (www.lausd.net/ethics). Failure to comply with LAUSD’s Lobbying Disclosure Code can result in fines and sanctions including debarment from contracting with LAUSD.

- C. **Fulfill the State-Mandated Statement of Economic Interests (“Form 700”) Filing Requirement** – Contractors and their Representatives shall abide by the financial disclosure requirements of California’s Political Reform Act (Gov. Code Section 81000-91015). Under the Act, individual Contractors and their Representatives may be required to disclose economic interests that could be foreseeably affected by the exercise of their public duties in a disclosure filing called the Statement of Economic Interests or Form 700. A Form 700 serves as a tool for aiding public officials at all levels of government to ensure that they do not make or participate in making, any governmental decisions in which they have an interest.
 - (1) **Applicability** – Under the law, individual Contractors and their Representatives are considered public officials and need to file a Form 700 as “consultants”, if the services they are contracted to provide fit the triggers identified by the Political Reform Act. Meeting either of the test triggers below requires a Contractor’s Representative(s) to file a Form 700:
 - (a) **Individual Makes Governmental Decisions** – Filing is required if an individual is involved in activities or decision-making such as: obligating LAUSD to any course of action; authorizing LAUSD to enter into, modify, or renew a contract; granting approval for contracts, plans, designs, reports, studies or other items; adopting

or granting approval on policies, standards or guidelines for any subdivision of LAUSD; or negotiating on behalf of LAUSD without significant intervening review.

- (b) Individual Participates in the Making of Governmental Decisions for LAUSD and Serves in Staff-like Capacity – Filing is also required if an individual is performing duties for LAUSD on a continuous or ongoing basis extending beyond one year such as: advising or making recommendations to LAUSD decision makers without significant intervening review; conducting research or an investigation; preparing a report or analysis which requires the individual to exercise their judgment; or performing duties similar to an LAUSD staff position that is already designated as a filer position in LAUSD's Conflict of Interest Code.
- (2) Filing Timelines – Individuals who are legally required to complete a Statement of Economic Interests form must submit a filing:
- (a) upon commencement of work with LAUSD,
 - (b) on an ongoing basis thereafter in accordance with the April 1st annual deadline, and
 - (c) upon termination of work with LAUSD.
- (3) Process – Contractors and their Representatives shall coordinate with their LAUSD Contract Sponsor(s) to ensure that they meet this state mandate in the manner required by law. Form 700s must be received by the LAUSD Ethics Office to be considered properly filed in accordance with the Political Reform Act.
- (4) Disqualifications – Individuals who must file financial disclosure statements are subject to the requirements of the Political Reform Act as is the case with any other "public official" including disqualification when they encounter decision-making that could affect their financial interests. Contractors and their Representatives shall be responsible for ensuring that they take the appropriate actions necessary, so as not to violate any aspect of the Act.

Examples of Form 700 Filers and Non-Filers

- (5) Maria Ley is an attorney for the firm of Legal Eagles which serves as outside counsel to LAUSD. In her capacity as outside counsel, Maria provides ongoing legal services for LAUSD and as such participates in the making of governmental decisions. Maria's role involves her in advising or making recommendations to government decision-makers and also gives her the opportunity to impact decisions that could foreseeably affect her own financial interests.

Maria would be considered a consultant under the Political Reform Act and would need to file a Form 700.

- (6) The Research Institute has been hired by LAUSD to do a major three-year policy study which will help LAUSD decide the shape and scope of a major after-school tutoring initiative, including the total funding that should be allocated. As part of the Institute's work, their researchers will help LAUSD design and decide on some additional contracts for supplemental survey research. The Institute knows that all the principal researchers on their team will have to be Form 700 filers because their work is ongoing and will influence LAUSD's governmental decision. However, the Institute is unsure of whether their trusty secretary, Bea Addman, would have to be a filer.

Bea does not need to file. Even though she will be housed at LAUSD for the three years and act in a staff-like capacity, she will provide clerical support primarily and will not participate in making any governmental decisions.

- (7) Bob Builder works for a construction company that will be supporting LAUSD's school-building initiative on a continuous basis. Bob will direct activities concerning the planning and construction of various schools facilities, coordinate land acquisition, supervise teams, set policies, and also prepare various budgets for LAUSD.

Bob meets the trigger defined under the law because as part of the services he will provide, he has the authority to affect financial interests and commit LAUSD to government actions at his discretion. Additionally, in his role, he will be performing essentially the same tasks as an LAUSD Facilities Project Manager which is a position that is already designated in LAUSD's Conflict of Interest Code. Therefore, Bob is required to file a Form 700.

6. Prohibited Activities

A Contractor, its Representative(s) and all other agent(s) acting on its behalf are prohibited from engaging in the following activities:

GENERAL PROHIBITIONS

- A. *Acting in a manner that would be reasonably known to create or lead to a perception of improper conduct that could result in direct or indirect damage to LAUSD or our reputation*
- B. *Acting with the purpose or intent of placing an LAUSD official under personal obligation to any Contractor or its Representatives*
- C. *Conducting business with or on behalf of LAUSD in a manner that would be reasonably known to create or lead to a perception of self-dealing*

- D. *Conducting work on behalf of another client on a matter that would be reasonably seen as in conflict with work performed for LAUSD*
- E. *Disclosing any proprietary or confidential information, including employee or student health information, about LAUSD, our employees, students, or contractors to anyone not authorized by a written LAUSD re-disclosure agreement to receive the information*
- F. *Knowingly deceiving or attempting to deceive an LAUSD official about any fact pertaining to any pending or proposed LAUSD decision-making*
- G. *Making or arranging for any gift(s) or gratuities that violate LAUSD's policies, including:*
 - (1) *Providing any gifts at all to a procurement employee;*
 - (2) *Providing any gifts in excess of LAUSD's gift limit in a calendar year to any LAUSD official or to a member of his/her household; and*
 - (3) *Providing gifts without the necessary public disclosure when disclosure is required*
- H. *Offering any favor, gratuity, or kickback to an LAUSD official for awarding, modifying, or providing preferential treatment relating to an LAUSD contract*
- I. *Receiving or dispersing compensation contingent upon the defeat, enactment, or outcome of any proposed policy or action*
- J. *Taking any action to circumvent LAUSD's system of controls or to provide misleading information on any documents or records*
- K. *Using LAUSD assets and resources for purposes which do not support LAUSD's work*
- L. *Using LAUSD provided technology or systems to create, access, store, print, solicit or send any material that is false, derogatory, malicious, intimidating, harassing, threatening, abusive, sexually explicit or otherwise offensive*
- M. *Violating or counseling any person to violate any provisions of LAUSD's Contractor Code of Conduct, Lobbying Disclosure Code, Employee Code of Ethics, and/or any other governing state or federal laws*

CONTRACTING PROHIBITIONS

- N. *Dealing directly with an LAUSD official who is a close relative or cohabitant with a Contractor or its Representatives in the course of negotiating a contracting agreement or performing a Contractor's obligation*
 - (1) *For the purposes of this policy, close relatives shall be defined as including spouse, sibling, parent, grandparent, child, and grandchild. Cohabitants shall be defined as persons living together.*
- O. *Engaging in prohibited communication with LAUSD officials during the Cone of Silence time period(s) of the contracting process*
 - (1) *In a competitive contracting process, the Cone of Silence begins from the time when an Invitation for Bid (IFB), Request for Proposal (RFP), Request for Interest and Bid (RFIB), Request for Quote, Request for Qualification, or any other solicitation release is announced by LAUSD until the time a contract award recommendation is made public by the Board Secretariat's posting of the board report for the contract to be approved.*
 - (2) *In a non-competitive contracting process, the Cone of Silence begins at the time when a proposal is submitted to LAUSD until the time the contract is fully executed.*
- P. *Employing any current or former LAUSD employee to perform any work prohibited by the "Cooling Periods" defined in Section 4F of this Code*
- Q. *Making or participating in the making of governmental decisions on behalf of LAUSD when a Contractor or its Representatives has an existing financial interest that is prohibited under the law*
- R. *Making any substitution of goods, services, or talent that do not meet contract specifications without prior approval from LAUSD*
- S. *Making false charges on claims for payment submitted to LAUSD in violation of the California False Claims Act, Cal. Government Code §§ 12650-12655*
- T. *Requesting, attempting to request, or accepting—either directly or indirectly—any protected information regarding present or future contracts before the information is made publicly available at the same time and in the same form to all other potential bidders*
- U. *Submitting a bid as a proposer or sub-proposer on a particular procurement after participating in its development (e.g. identifying the scope of work, creating solicitation documents or technical specifications, developing evaluation criteria, and preparing contractual instruments)*

LOBBYING PROHIBITIONS

- V. *Engaging in any lobbying activities without the appropriate disclosure, if the registration trigger has been met*
- W. *Lobbying on behalf of LAUSD, if a Contractor or its Representatives is lobbying LAUSD officials.*
 - (1) Any person or entity who receives compensation to lobby on behalf of or otherwise represent LAUSD, pursuant to a contract or sub-contract, shall be prohibited from also lobbying LAUSD on behalf of any other person or entity for compensation as this would be considered a conflict of interest.

7. Issues Resolution

Early identification and resolution of contracting or other ethical issues that may arise are critical to building public trust. Whenever possible, it is advisable to initiate the issue resolution process proactively, either with the designated contracting contact if the issue arises during the contracting process, or with the Contract Sponsor in the case of an active contract that is being carried out. It is always appropriate to seek out the Procurement Services Group or the Facilities Contracts Branch to resolve an issue, if another alternative is not possible. Formal disputes regarding bid solicitations or contract awards should be raised and addressed in accordance with LAUSD policy where such matters will be given full, impartial, and timely consideration.

8. Enforcement Provisions

While Contractors and their Representatives are expected to self-monitor their compliance with this Contractor Code of Conduct, the provisions of this Code are enforceable by LAUSD. Enforcement measures can be taken by LAUSD's Procurement Services Group or Facilities Contracts Branch in consultation with the Contract Sponsor, the Ethics Office, the Office of the General Counsel, and the Office of the Inspector General. The Office of the Inspector General may also refer matters to the appropriate authorities for further action.

- A. *Report Violations* – Good faith reporting of suspected violations of the Contractor Code of Conduct is encouraged. Reports of possible violations should be made to the Office of the Inspector General where such reports will be investigated and handled with the level of confidentiality that is merited and permitted by law. No adverse consequences will result to anyone as a result of making a good faith report.
- B. *Cooperate on Audits and Investigations* – Contractors and their Representatives shall cooperate with any necessary audits or investigations by LAUSD relating to conduct identified in this Code. Such audits and investigations may be conducted when LAUSD has reason to believe that a violation of this Code has occurred. Once an audit or investigation is complete, LAUSD may contact a Contractor or their Representatives to establish remedies and/or sanctions.
- C. *Comply with Sanctions* – Contractors and their Representatives shall comply with the necessary sanctions for violations of this Code of Conduct. Remedies can include and/or combine one or more of the following actions:
 - (1) Removal of offending Contractor or subcontractor;
 - (2) Implementation of corrective action plan approved by LAUSD;
 - (3) Submission of training plan for preventing future violations of the Code;
 - (4) Probation for 1-3 years;
 - (5) Rescission, voidance or termination of a contract;
 - (6) Suspension from all LAUSD contracting for a period of time;
 - (7) Prohibition from all LAUSD lobbying activities;
 - (8) Compliance with deferred debarment agreement;
 - (9) Debarment from all LAUSD procurement or contracting; or
 - (10) Other sanctions available by law that are deemed reasonable and appropriate.

In the case of a procurement in which a contract has yet to be awarded, LAUSD reserves the right to reject any bid or proposal, to terminate the procurement process or to take other appropriate actions.

Failure to remedy the situation in the timely manner prescribed by LAUSD can result in additional sanctions. *Records of violations or any other non-compliance are a matter of public record.*

Any debarment proceeding will follow due process in accordance with the procedures described in LAUSD's Debarment Policy.

9. Future Code Updates

To ensure that LAUSD maintain our effectiveness in promoting integrity in our contracting processes and our use of public tax dollars, LAUSD reserves the right to amend and modify this Contractor Code of Conduct at its discretion. LAUSD's Ethics Office will post the latest version of the Code on its website. Interested parties with ideas on how LAUSD can strengthen our Code to improve public trust in the integrity of LAUSD's decision-making can contact LAUSD's Ethics Office in writing to share their comments. Such comments will be evaluated for future code updates.

LAUSD is not responsible for notifying a Contractor or their Representatives of any changes to this Code. It is the responsibility of a Contractor to keep itself and its Representatives apprised of any changes made to this Code. LAUSD is not responsible for any damages that may occur as a result of a Contractor's failure to fulfill its responsibilities of staying current on this Code.

10. Severability

If one part or provision of this Contractor Code of Conduct, or its application to any person or organization, is found to be invalid by any court, the remainder of this Code and its application to other persons or organizations, which has not been found invalid, shall not be affected by such invalidity, and to that extent the provisions of this Code are declared to be severable.

EXHIBIT D

OCCUPANCY PROVISIONS

1. Premises for the Wellness Center: Provider shall operate the Wellness Center in the portion of the campus of the School indicated on the site plan attached hereto as Schedule D-1 and hereby made a part hereof, consisting of _____ square feet (the "Premises").

2. Facilities Fees: Provider shall pay District on a monthly basis for the provision by District of certain services, maintenance, routine repairs general maintenance ("RRGM"), and utilities including, but not limited to electricity, water, gas, school police services, Office of Environmental Health and Safety, and ground costs (the "Facilities Fee"). The Facility Fee is subject to adjustment annually and shall be charged based on the square footage of the Premises provided in Section 1 above. The Facility Fee for the first twelve (12) months of the Term of the Agreement is described in Schedule D-2 attached hereto and hereby made a part hereof.

All Facilities Fees payments shall be remitted to:

Los Angeles Unified School District
FSD-Leasing & Space Utilization
333 S Beaudry Avenue, 23rd floor
Los Angeles, CA 90017

3. Security Deposit: None.

4. Use: During the entire Term, Provider shall use the Premises only for the operation of a school-based health clinic (or other licensed health care center to the extent expressly permitted by this Agreement) pursuant to the terms and conditions of this Agreement and Applicable Laws, and for no other purpose. Provider shall not use or permit the use of the Premises in a manner that is unlawful, creates damage, waste or a nuisance, or that disturbs occupants of or causes damage to neighboring premises or properties. Other than guide, signal and seeing eye dogs, Provider shall not keep or allow in the Premises any pets, animals, birds, fish, or reptiles of any kind. Provider shall not use, alter, or make alterations to, the Premises in any manner that will (a) impair the structural integrity of the Premises, (b) adversely affect the mechanical, electrical, HVAC, and other systems of the Premises, and/or (c) affect the exterior appearance of the Premises.

5. Payments: The Facilities Fees shall be due and payable by Provider to District on the 1st day of each month during the Term. For purposes of this Agreement, all other fees, costs, reimbursements and payments payable by Provider to District hereunder shall also be deemed to constitute Facility Fees. District reserves the right to review and evaluate the Facility Fees on an annual basis and adjust the Facility Fees as needed. Provider will be notified of any Facility Fees increase in writing. Provider shall

cause payment of all Facilities Fees to be received by District in lawful money of the United States on or before the day on which it is due, without offset or deduction. Facilities Fees for any period during the Term hereof which is for less than one full calendar month shall be prorated based upon the actual number of days of said month. Payment of Facilities Fees shall be made to District at its address stated above or to such other persons or place as District may from time to time designate in writing. Acceptance of a payment which is less than the amount then due shall not be a waiver of District's rights to the balance of such amount due, regardless of District's endorsement of any check so stating. Payments will be applied first to accrued delinquent amounts and, as applicable, attorney's fees, second to accrued interest (if permitted by Applicable Laws), then to any other outstanding charges or costs.

6. Telephone and Utilities: Provider, at its sole cost and expense, shall furnish all equipment and supplies necessary and incidental to its use of the Premises including, but not limited to, the installation of telephones, electronic communication and/or related equipment. Any such installation shall be in a manner consistent with the provisions and requirements of this Agreement. It is understood that District shall not be responsible for loss, theft or damage to supplies or equipment during the Term. Except for any services and utilities provided to and paid for by Provider as part of the Facility Fee, Provider shall pay for all water, gas, light, power, telephone and other utilities and services specially or exclusively supplied and/or metered exclusively to the Premises or to Provider, together with any taxes thereon. If any such service is not separately metered to the Premises, then, unless such service is provided to and paid for by Provider as part of the Facility Fee, Provider shall pay a reasonable proportion to be determined by District of all charges for such jointly metered service.

7. Insurance: Provider at all times during the Term hereof shall maintain, at its own cost and expense, the insurance coverage set forth in this Agreement. Provider agrees to have its insurance company issuing property damage insurance waive any rights of subrogation that such company may have against District, and Provider hereby waives any right that it may have against District on account of any loss or damage to Provider's property to the extent such loss or damage is insurable under policies of insurance for fire and all risk coverage, theft, public liability, or other similar insurance.

8. Waiver of Claims and Indemnity: To the extent not prohibited by law, Provider shall indemnify, defend, protect and hold harmless District and its Board of Education, officers, agents, employees and independent contractors from and against any and all liability, claims, damages, cost and expenses, including without limitation, reasonable attorneys' fees, resulting from or in connection with Provider's use and occupancy of the Premises. To the extent not prohibited by law, Provider waives all claims against District and its Board of Education, officers, agents, employees and independent contractors for injury to persons, damage to property or to any other interests of Provider (including damage to Provider's business and loss of profits) sustained by Provider or any person claiming through Provider resulting from any occurrence in or upon the Premises or from the use thereof; provided, however, that notwithstanding the foregoing, District shall indemnify and hold harmless Provider from and against any and all liability, claims, damages, cost and expenses (including without limitation, reasonable

attorneys' fees) resulting from District's gross negligence or willful misconduct. Without limitation of any of the foregoing, all of Provider's personal property which may at any time be at the Premises shall be at Provider's sole risk.

9. Costs of Litigation: If District or its Board of Education, officers, agents, employees and independent contractors shall without fault on their part be made a party to any litigation arising out of any act or omission of Provider, its officers, agents, employees or independent contractors, Provider shall pay all costs and expenses, including reasonable attorneys' fees, incurred by said parties on account of said litigation. Provider shall also reimburse District for all cost and expenses incurred by said parties, including reasonable attorneys' fees, in enforcing the provisions of this Agreement.

10. Default; Late Fee; Advance Payment: Any failure by either party hereto to observe and perform any provision of this Agreement to be observed or performed by that party within thirty (30) days after notice thereof has been provided to the non-observing party by the other party, or if performance is not possible within said period, any failure of the non-observing party to commence performance within said period and to diligently prosecute such performance to completion within a reasonable time thereafter, shall constitute a default and breach of this Agreement by the non-observing party. Without limitation of other remedies available under "Applicable Laws" (as defined in Section 21 hereof), the remedies for default and breach of this Agreement shall include the following:

(a) Monetary Damages. The non-observing party shall be liable to the other party for monetary damages; and

(b) Termination of Agreement. The other party may terminate this Agreement upon delivery of written notice to the non-observing party after the expiration of the initial notice and cure period provided herein.

Provider hereby acknowledges that any late payments by it of any amount due to District hereunder will cause District to incur costs not contemplated by this Agreement, the exact amount of which will be extremely difficult to ascertain. Such costs include, but are not limited to, processing and accounting charges, and late charges which may be imposed upon District by third parties. Accordingly, if any amount due hereunder from Provider shall not be received by District within ten (10) days after such amount shall be due hereunder, then, without any requirement for notice to Provider, Provider shall immediately pay to District a late charge equal to 5% of each such overdue amount or \$100, whichever is greater. The parties hereby agree that such late charge represents a fair and reasonable estimate of the costs District will incur by reason of such late payment. Acceptance of such late charge by District shall in no event constitute a waiver of Provider's default or breach with respect to such overdue amount, nor prevent the exercise of any of the other rights and remedies granted hereunder. In the event that a late charge is payable hereunder by Provider, whether or not collected, on 3 or more occasions in any twelve month period during the Term hereof, then notwithstanding any provision hereof to the contrary, all future Facilities Fees payments due hereunder shall, at District's option, become due and payable annually in advance;

such annual advance payment shall be made each year within thirty (30) days of the date each year that District notifies Provider of the new Facilities Fee amount for the year in question.

11. Removal of Property: By the end of the Term of this Agreement, Provider shall have removed all of its property from the Premises and shall leave the Premises in a clean condition, reasonable wear and tear excepted. District shall inspect and determine the condition of the Premises after Provider has vacated the Premises. Provider shall be solely responsible for the repair of any and all damage incurred in association with its vacating the Premises. Subject to District's right to require removal or elect ownership of "Alterations" (as defined in Section 19 below) or utility installations by Provider as hereinafter provided, all Alterations and utility installations made by Provider in the Premises shall be the property of District, but considered a part of the Premises. District may, at any time, elect in writing to be the owner of all or any specified part of the Alterations and utility installations made by Provider in the Premises. By delivery to Provider of written notice not later than 30 days prior to the end of the Term, District may require that any or all Alterations and utility installations made by Provider in the Premises be removed by the expiration or termination of the Term. District may require the removal at any time of all or any part of any Alterations and utility installations made by Provider in the Premises without the required consent of District (when such consent is required hereunder). Trade fixtures installed by Provider shall remain the property of Provider and shall be removed by Provider. Any personal property of Provider not removed on or before the expiration date or any earlier termination date of the Term shall be deemed to have been abandoned by Provider and may be disposed of or retained by District as District may desire. The failure by Provider to timely vacate the Premises pursuant to this paragraph without the express written consent of District shall constitute a holdover under the provisions hereof.

12. Assignment and Subleasing: Provider shall not voluntarily or by operation of law assign, transfer, mortgage or encumber (collectively, "assign or assignment") or sublet all or any part of Provider's interest in this Agreement or in the Premises without District's prior written consent in its sole and absolute discretion. A change in the control of the management (or, if applicable, ownership) of Provider shall constitute an assignment requiring the consent of District hereunder. The transfer, on a cumulative basis, of 25% or more of the voting control of Provider shall constitute a change in control for this purpose. An assignment or subletting without consent shall be a noncurable default without the necessity of any notice and grace period; in such event, District may either: (i) terminate this Agreement, or (ii) upon 30 days' written notice, increase the monthly Facilities Fee to 110% of the Facilities Fee then in effect. Further, in the event of such default and rental adjustment, all Facilities Fees adjustments scheduled during the remainder of the Term shall be increased to 110% of the scheduled adjusted amount. Regardless of District's consent, no assignment or subletting shall (i) be effective without the express written assumption by such assignee or sublessee of the obligations of Provider under this Agreement, (ii) release Provider from any obligations hereunder, or (iii) alter the primary liability of Provider for the payment of all amounts due hereunder or for the performance of any other obligations to be performed by Provider.

13. Rules and Regulations: So long as none of the same violate any express rights of Provider hereunder, Provider shall comply with each of the rules and regulations District may promulgate for the Premises, as well as any District policies in effect from time to time that apply to the Premises.

14. Non-Waiver. No waiver by District of the default or breach of any term, covenant or condition hereof by Provider, shall be deemed a waiver of any other term, covenant or condition hereof, or of any subsequent default or breach by Provider of the same or of any other term, covenant or condition hereof. District's consent to, or approval of, any act shall not be deemed to render unnecessary the obtaining of District's consent to, or approval of, any subsequent or similar act by Provider, or be construed as the basis of an estoppel to enforce the provision or provisions of this Agreement requiring such consent.

15. Notices. Any notice or communication between the parties shall be in writing and shall be deemed to have been delivered either (i) at the time of personal delivery actually received by the addressee or an authorized representative of the addressee at the address provided below or such other address designated in writing, whether by certified or registered U.S. mail or any nationally recognized overnight service or (ii) if by facsimile, upon electronic confirmation of good transmission by the transmitting facsimile machine and a hard copy to the respective party by U.S. mail.

Provider:

«Licensee_Notices»

District:

Los Angeles Unified School District
Leasing & Space Utilization
333 S. Beaudry Avenue, 23rd Floor
Los Angeles, CA 90017
Attn: Eileen Ma, Deputy Director
Fax No: 213-241-6784

With a copy to the address for District in
Section 36 of the Agreement

The first sentence of this Section 15 shall also be deemed to apply to any notices provided under Section 36 of this Agreement.

16. Binding Agreement. Each party hereto represents and warrants to the other that this Agreement is duly executed by such party and is a valid, binding obligation of each such party, its personal representatives, successors and assigns.

17. No Amendments. This Agreement, including all attachments and exhibits attached hereto, sets forth the entire understanding between the parties and may not be altered or amended except by another writing executed and delivered by both parties.

18. No Representations. Provider acknowledges and agrees that the Premises is being delivered to Provider and Provider will accept the Premises in its "as is, where is, with all faults" condition as of the commencement of the Term of this Agreement. District has

not made, nor does District make, any representations, warranties or promises, express or implied, with respect to the Premises (including, without limitation, any warranty of habitability or fitness for a particular purpose), and Provider agrees that District does not have any obligation to perform any work or otherwise prepare the Premises for Provider's use.

19. Alterations. Following the Commencement Date, except as otherwise expressly provided herein, Provider will not make or cause to be made any alterations, installations, improvements, additions or other physical changes ("Alterations") in or about the Premises without obtaining the prior written consent of District thereto. Provider may, however, make minor non-structural Alterations to the interior of the Premises (excluding any ceiling or other interior wall of the roof) without such consent but upon prior written notice to District, as long as the non-structural Alterations are not visible from the outside of the Premises, do not involve puncturing, relocating or removing the roof, ceilings, floors or any existing walls, will not affect the mechanical, electrical, plumbing, HVAC, and/or life safety systems of the Premises, and the cumulative cost thereof during each year of the Term does not exceed \$10,000. District may, as a precondition to granting any consent for Alterations hereunder, require Provider to utilize a contractor chosen and/or approved by District. Any Alterations that Provider shall desire to make and which require the consent of the District shall be presented to District in written form with detailed plans. Consent shall be deemed conditioned upon Provider's: (i) acquiring all applicable governmental permits, (ii) furnishing District with copies of both the permits and the plans and specifications prior to commencement of the work, and (iii) compliance with all conditions of said permits and other Applicable Laws in a prompt and expeditious manner. Any Alterations shall be performed in a workmanlike manner with good and sufficient materials. Provider shall promptly upon completion furnish District with as-built plans and specifications. For work which costs an amount in excess of twelve months' Facilities Fees, District may condition its consent upon Provider providing a lien and completion bond in an amount equal to 150% of the estimated cost of such Alteration and/or upon Provider posting a reasonable security deposit with District.

20. Maintenance. Except as otherwise expressly provided herein, District shall be responsible for (a) maintenance and repair of the exterior grounds of, and exterior walls of the building on, the Premises, and (b) the maintenance, repair and, as necessary, replacement of the utilities, improvements, equipment and fixtures currently located or hereinafter installed or constructed by District in the interior of the building on the Premises; provided, however, that Provider shall be liable for the cost and expense to make any of such repairs or replacements to the extent the need for the repair or replacement is caused by or results from the negligence or misconduct of Provider or Provider's officers, agents or employees.

Provider shall, at its sole cost and expense, (i) clean or cause to be cleaned the interior of the Premises at all times in order to keep the Premises in a, safe, sanitary and clean condition, and (ii) maintain, repair and, as necessary, replace all of the improvements, equipment and fixtures installed or constructed by Provider in the interior of the building on the Premises; provided, however, that Provider shall not be required to make such

repairs or replacements to the interior of the Premises which are caused by or result from the negligence or misconduct of District or District's officers, agents or employees.

In the event (A) any repair or replacement required to be made by District hereunder is critical to Provider's ability to perform the primary health services permitted hereunder in the health clinic contemplated by this Agreement, and (B) District is unable for any reason to perform such repair or replacement within a reasonable time after receiving notice from Provider of the need therefor, then Provider may, after providing a subsequent written notice to District of its intention to perform the same, perform such repair or replacement at Provider's sole cost (without any right to seek reimbursement from District). If the aggregate cost of all such repairs or replacements made by Provider under the previous sentence hereof exceed Ten Thousand Dollars (\$10,000) in any twelve (12) month period during the Term, then representatives of District and Provider shall meet to review and determine what reimbursement, if any, District shall make for any or all of the portion of such costs exceeding \$10,000 (provided, however, that District shall have no obligation to make any such reimbursement, and shall have sole and absolute discretion with respect to any decision by it to reimburse Provider for any portion of such costs exceeding \$10,000).

Provider shall, at its cost, repair all damage to the Premises caused by any installations or Alterations made by Provider or by the moving or removing of Provider's property at the Premises.

21. Requirements of Law; Hazardous Materials. Provider, at its sole cost and expense, will comply with all present and future laws, rules, orders, ordinances, regulations, statutes, requirements, codes and executive orders, extraordinary as well as ordinary, of all governmental authorities now existing or hereafter created, and of any and all of their departments and bureaus (collectively, "Applicable Laws"), affecting the Premises, or any street, avenue or sidewalk comprising a part thereof or in front thereof, or affecting the maintenance, use or occupation of the Premises, or which is otherwise applicable to the Premises and/or the use thereof. Without limiting the generality of the foregoing, Provider shall not transport, use, store, maintain, generate, manufacture, handle, dispose, release or discharge any "Hazardous Material (as hereinafter defined) upon or about the Premises, nor permit Provider's employees, agents, contractors, invitees or licensees or other occupants of the Premises to engage in such activities upon or about the Premises. For purposes hereof, "Hazardous Material" shall mean any product, substance, or waste whose presence, use, manufacture, disposal, transportation, or release, either by itself or in combination with other materials expected to be on the Premises, is either: (i) potentially injurious to the public health, safety or welfare, the environment or the Premises, (ii) regulated or monitored by any governmental authority, or (iii) a basis for potential liability of District to any governmental agency or third party under any applicable statute or common law theory. If any Hazardous Material is released, discharged or disposed of by Provider, Provider's employees, agents, contractors, invitees or licensees or any other occupant of the Premises, on or about the Premises, Provider shall immediately, properly and in compliance with Applicable Laws clean up and remove the Hazardous Material from the Premises and any other affected property and clean or replace any affected personal property (whether or not owned by

Provider), at Provider's expense. Such clean-up and removal work shall be subject to District's prior written approval (except in emergencies), and shall include, without limitation, any testing, investigation, and the preparation and implementation of any remedial action plan required by any governmental body having jurisdiction or reasonably required by District. If District so desires, District may (but shall not be obligated to) arrange for such compliance directly or as Provider's agent through contractors or other parties selected by District, at Provider's sole cost and expense (without limiting District's other remedies under this Agreement or Applicable Laws).

22. Not a Lease. This Agreement is not to be construed as in any way granting to Provider any leasehold or other real property interest in the Premises, it being intended that this Agreement merely grants to Provider the right to enter upon and use the Premises during the Term in accordance with the terms and conditions hereof. This Agreement shall not be deemed to grant to Provider a leasehold or other real property interest in the Premises.

23. Limitation of Liability. District's obligations under this Agreement will not be binding upon District after the sale, conveyance, assignment or transfer by District of its interest in the Premises, and in the event of any such sale, conveyance, assignment or transfer, District will be and hereby is entirely freed and relieved of all covenants and obligations of District hereunder to the extent that such transferee assumes District's obligations under this Agreement, subject to the terms hereof. None of the board members, officers, employees or contractors comprising District (collectively, the "Parties") will be liable for the performance of District's obligations under this Agreement. Provider will look solely to District to enforce District's obligations hereunder and will not seek any damages against any of the Parties. District's liability for its obligations under this Agreement will be limited to District's interest in the Premises, and Provider will not look to any other property or assets of District or the property or assets of any of the Parties in seeking either to enforce District's obligations under this Agreement or to satisfy a judgment for District's failure to perform such obligations.

24. Entry. District reserves the right at all reasonable times and upon reasonable notice to the Provider (except in cases of emergency) to enter the Premises to (i) inspect them; (ii) post notices of non-responsibility; and/or (iii) alter, improve or repair the Premises (or, if applicable, the building of which the Premises are a part (the "Property")) if necessary to comply with current building codes or other Applicable Laws, or for structural alterations, repairs or improvements to the Premises or the Property which are required or permitted to be made by District hereunder; provided, however, that Provider shall be solely liable for all costs and expenses of District making any improvement required to comply with Applicable Laws if such improvement was only necessary as a direct result of the use and occupancy of the Premises by Provider (in which case Provider shall reimburse District for all such costs and expenses within sixty (60) days after Provider's receipt of an invoice from District therefor). Notwithstanding anything to the contrary contained in this Section, District may enter the Premises at any time to (A) perform services or obligations required of District; (B) take possession due to any breach of this Agreement in the manner provided herein; and (C) perform any covenants of Provider which Provider fails to perform. Any such entries shall include the right to

take such reasonable steps as required to accomplish the permitted purposes. Provider hereby waives any claims for damages or for any injuries or inconvenience to or interference with Provider's business, lost profits, any loss of occupancy or quiet enjoyment of the Premises, or any other loss occasioned thereby. Any entry into the Premises in the manner hereinbefore described shall not be deemed to be a forcible or unlawful entry into, or a detainer of, the Premises, or an actual or constructive eviction of Provider from any portion of the Premises.

25. Partial Invalidity. If any term, provision or condition contained in this Agreement shall, to any extent, be held invalid or unenforceable by a court of competent jurisdiction, the remainder of this Agreement, or the application of such term, provision or condition to persons or circumstances other than those with respect to which it is held invalid or unenforceable, shall not be affected thereby, and each and every other term, provision and condition of this Agreement shall be valid and enforceable to the fullest extent possible permitted by law.

26. No Warranty. In executing and delivering this Agreement, Provider has not relied on any representation or any warranty or any statement of District which is not expressly set forth herein or in one or more of the exhibits attached hereto.

27. Governing Law. This Agreement shall be construed and enforced in accordance with the laws of the State of California, without reference to its conflicts of law provisions. Any litigation between the parties hereto concerning this Agreement shall be initiated in the county in which the Premises are located.

28. Brokers. District and Provider hereby warrant to each other that they have had no dealings with any real estate broker or agent in connection with the negotiation of this Agreement and that they know of no real estate broker or agent who is entitled to a commission in connection with this Agreement. Each party agrees to indemnify and defend the other party against and hold the other party harmless from any and all claims, demands, losses, liabilities, lawsuits, judgments, and costs and expenses (including without limitation reasonable attorneys' fees) with respect to any commission or equivalent compensation alleged to be owing on account of the indemnifying party's dealings with any real estate broker or agent.

29. No Liens. Provider has no authority or power to cause or permit any lien or encumbrance of any kind whatsoever, whether created by act of Provider, operation of law or otherwise, to attach to or be placed upon the Property or Premises, and any and all liens and encumbrances created by Provider shall attach to Provider's property only. District shall have the right at all times to post and keep posted on the Premises any notice which it deems necessary for protection from such liens. Provider covenants and agrees not to suffer or permit any mechanic's, material men's or other liens to be placed against the Property or the Premises with respect to work or services claimed to have been performed for or materials claimed to have been furnished to Provider or the Premises, and, in case of any such lien attaching or notice of any lien, Provider covenants and agrees to cause it to be immediately released and removed of record. Notwithstanding anything to the contrary set forth in this Agreement, in the event that

such lien is not released and removed on or before the date notice of such lien is delivered by Provider to District, District, at its sole option, may immediately take all action necessary to release and remove such lien, without any duty to investigate the validity thereof, and all sums, costs and expenses, including reasonable attorneys' fees and costs, incurred by District in connection with such lien shall be deemed immediately due and payable by Provider.

30. Entire Agreement. It is understood and acknowledged that there are no oral agreements between the parties hereto affecting this Agreement, and this Agreement supersedes and cancels any and all previous negotiations, arrangements, brochures, agreements and understandings, if any, between the parties hereto or delivered by District to Provider with respect to the subject matter hereof, and none thereof shall be used to interpret or construe this Agreement. This Agreement contains all of the terms, covenants, conditions, warranties and agreements of the parties relating in any manner to the use and occupancy of the Premises, shall be considered to be the only agreement between the parties hereto and their representatives and agents, and none of the terms, covenants, conditions or provisions of this Agreement can be modified, deleted or added to except in a writing duly signed and delivered by the parties hereto. All negotiations and oral agreements acceptable to both parties have been merged into and are included herein. There are no other representations or warranties between the parties, and all reliance with respect to representations is based totally upon the representations and agreements contained in this Agreement.

31. Security. Provider hereby acknowledges that the Facilities Fees payable to District hereunder do not include the cost of guard service or other security measures (other than school police services of a type and extent customarily provided to District schools from time to time during the Term), and that District shall have no obligation whatsoever to provide any particular security services other than the foregoing. Subject to the foregoing, Provider assumes all responsibility for the protection of the Premises, Provider, its employees, agents, invitees and their property from the acts of third parties. In no event shall Provider cause any armed guards or armed personnel to provide any security services to the Premises without the prior written consent of District (including, without limitation, the consent of District's School Police department).

32. Signage. District may place and install on the Premises signs of types, sizes and designs that are reasonable and customary for District at any time during the Term (including ordinary "For Sale" signs at any time and ordinary "For Lease" signs during the last 6 months of the Term hereof). Provider shall not place any sign upon the Premises or Property without District's prior written consent. All permitted signs of Provider must comply at all times with all Applicable Laws and with all policies of District.

SCHEDULE D-1

SITE PLAN SHOWING WELLNESS CENTER PREMISES

[Please See Attached]

SCHEDULE D-2
EXPLANATION OF FACILITIES FEES PER SQUARE FOOT

[Please See Attached]

INFORMED CONSENT FOR PROVIDER CONTACT

Date: _____

I hereby authorize _____ school to disclose contact information regarding

School Name

_____, date of birth _____. The information is

Student Name

being given to assist my child to obtain medical/mental health services by _____

Provider Name

_____. I understand that the Provider is not

Address

City

Zip Code

a part of the regular and ongoing program of the school or the Los Angeles Unified School District. This service is made available at the school/site for my convenience to obtain health/mental health services for my child. *I understand that the Los Angeles Unified School District does not assume responsibility for the services provided by the Provider nor the fees that may be charged.*

Signature of Parent/Legal Guardian

Date

CONSENTIMIENTO INFORMADO PARA PROVEEDOR DE SERVICIOS

Fecha: _____

Por este medio autorizo que _____ revele información de contacto concerniente
Nombre de la Escuela

a _____, fecha de nacimiento _____. Esta
Nombre del Alumno

información se provee con el fin de ayudar a mi hijo/a en obtener servicios médicos o de salud mental ofrecidos
por _____.
Nombre del Proveedor de Servicios Domicilio Ciudad Código Postal

Entiendo que el proveedor de servicios no forma parte del programa regular y actual del Distrito Escolar Unificado de Los Ángeles. Este servicio se pone a la disposición en el plantel escolar para mi conveniencia en obtener servicios de salud y servicios de salud mental para my hijo/a. Entiendo que el Distrito Escolar Unificado de Los Ángeles no se hace responsable por los servicios prestados por el Proveedor ni por los posibles honorarios por cobrarse.

Firma del Padre o Tutor Legal

Fecha

November 19, 2013

ATTACHMENT D

**DEPARTMENT OF PUBLIC WORKS:
SAN FERNANDO HIGH SCHOOL TEEN HEALTH CENTER PROJECT
ADOPT THE MITIGATED NEGATIVE DECLARATION AND MITIGATION
MONITORING AND REPORTING PROGRAM;
APPROVE PROJECT BUDGET;
APPROVE A JOINT POWERS AGREEMENT;
AWARD A DESIGN-BUILD CONTRACT; AND
APPROVE RELATED ACTIONS
SPECS. 7148; CAPITAL PROJECT NO. 77152**

**MITIGATED NEGATIVE DECLARATION
(SEE ATTACHED)**

**FINAL INITIAL STUDY/MITIGATED NEGATIVE
DECLARATION
FOR THE

SAN FERNANDO HIGH SCHOOL TEEN HEALTH CENTER
COUNTY OF LOS ANGELES, CALIFORNIA**

May 2013

Lead Agency:

**County of Los Angeles
c/o Department of Public Works
900 So. Fremont Avenue, 5th Floor
Alhambra, CA 91803-1331**

Prepared by:

**UltraSystems Environmental
16431 Scientific Way
Irvine, CA 92618-250**

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1.0 INTRODUCTION

1.1 Purpose of the Initial Study

The County of Los Angeles as the lead agency through its lead department, the Department of Public Works (LADPW) is preparing this Initial Study (IS) to evaluate the potential environmental impacts that would result from the construction and operation of the San Fernando High School Teen Health Center (Teen Health Center or Proposed Project) project within the premises of San Fernando High School (SFHS). This IS has been prepared in accordance with the requirements of California Environmental Quality Act (CEQA) and the *Guidelines for Implementation of the California Environmental Quality Act (State CEQA Guidelines)*, for the purpose of analyzing the direct, indirect, and cumulative environmental effects of the proposed project.

1.2 Project Background and Overview

The proposed Teen Health Center represents a school-based health center model. SFHS lies within the City of Los Angeles, an area that has been federally designated as a health professional shortage area for primary care and a medically underserved.¹ For over 100 years, the Los Angeles Unified School District (LAUSD) has provided school based health services. Currently, 34 school based clinics operate within the District, including an existing clinic that operates out of multiple locations on the campus of SFHS. The SFHS clinic currently occupies two bungalows totaling approximately 480 square feet. An additional 424 square feet of the main administration building is occupied by nursing staff for total of 904 square feet of clinic space. The existing clinic provides health care to students of the SFHS as well as for students of the nearby Mission Continuation School and McAlister High School ~~for pregnant and parenting teenagers and their dependents~~.

The proposed teen health center would continue to serve the same population of students and allow for the consolidation of health services presently occupying 3 separate areas of the campus. The 424 square feet of shared space in the main administrative building would revert back to a nurse's station. The 480 square feet of clinic space located in the two bungalows that will be vacated by the existing clinic uses would revert to classroom space. These classrooms would serve to replace modular classroom spaces that were removed due to new school openings.² The County will design and build the proposed project, and a joint powers agreement between the County and LAUSD will be completed. The project will be operated by a federally approved operator contracted through the LAUSD.

The project is proposed at the corner of North O'Melveny Avenue and Chamberlain Street, on a site that is owned by LAUSD. It is located at 11051 North O'Melveny Avenue, in the north east San Fernando Valley area of Los Angeles County. The proposed Teen Health Center would be a single-story facility of approximately 5,500 square feet. The Center would include four medical and two dental examination rooms, four counseling offices, business offices, an equipment sterilization room, dispensary, laboratory, a nurse's station, and a conference room. It would provide sports and comprehensive child physicals, chronic disease care (i.e. asthma management), immunizations, mental health counseling family planning, pregnancy prevention, health counseling, case management, and referral to specialty care services to these students and their dependents.

¹ Los Angeles Unified School District, *Strategic Plan for the Establishment of School Health Centers in High Priority Geographic Areas*, February 2009

² Personal communication with Jeremy Lawrence, Assistant Principal at San Fernando High School, January 9, 2013.

1.3 Statutory Authority

This Initial Study (IS) has been prepared in accordance with the requirements of CEQA, and the *State CEQA Guidelines*, codified in the California Code of Regulations (CCR), Title 14, Chapter 3, §15000 *et seq.*, for the purpose of analyzing the direct, indirect, and cumulative environmental effects associated with the proposed project.

According to §15063(a) of the *State CEQA Guidelines*, “Following preliminary review, the Lead Agency shall conduct an IS to determine if the project may have a significant effect on the environment.” If, as a result of the IS, the Lead Agency finds that there is evidence that any aspect of the proposed project may cause a significant environmental effect, the Lead Agency shall further find that an Environmental Impact Report (EIR) is warranted to analyze environmental impacts. However, if on the basis of the IS, the Lead Agency finds that the proposed project will not cause a significant effect on the environment, either as proposed or as modified to include the mitigation measures identified in the IS, a Negative Declaration or Mitigated Negative Declaration shall be prepared for that pending action.

According to Section 15063(d) of the *State CEQA Guidelines*, an IS should include the following information:

- A description of the project, including the location of the project;
- An identification of the environmental setting;
- An identification of environmental effects by use of a checklist, matrix, or other method, provided that entries on a checklist or other form are briefly explained to indicate that there is some evidence to support the entries. The brief explanation may be either through a narrative or a reference to another information source such as an attached map, photographs, or an earlier EIR or negative declaration. A reference to another document should include, where appropriate, a citation to the page or pages where the information is found;
- A discussion of ways to mitigate any significant effects identified, if any;
- An examination of whether the project is compatible with existing zoning, plans and other applicable land use controls; and
- The name of the person or persons who prepared or participated in the preparation of the IS.

1.4 Incorporation by Reference

Pursuant to §15150 of the *State CEQA Guidelines*, this IS incorporates by reference all or portions of other technical documents that are a matter of public record. Those documents either relate to the project or provide additional information concerning the environmental setting in which the project is proposed. Where all or a portion of another document is incorporated by reference, the incorporated language shall be considered to be set forth in full as part of the text of this IS.

- County of Los Angeles General Plan: The General Plan provides the framework for physical, social, and economic development within the County. The General Plan consists of two major components: 1) Countywide chapters and elements that address broader issues that transcend local community interests and 2) Area-wide and community plans that deal with local issues of unincorporated communities. Area-wide and community plans contain policies that are extensions of the goals and objectives of the Countywide General Plan but are tailored to reflect local conditions.

- **County of Los Angeles Zoning Ordinance:** The purpose of the zoning ordinance is to promote the public health, safety, and general welfare. Title 22 of the County Code (Planning and Zoning) contains standards intended to regulate the design of structures and operation of uses in the County. These restrictions include limits on building height, setbacks, size, as well as restrictions on uses within each category.

Although the County is not subject to the requirements of City of Los Angeles (City), the County has also considered City policy and regulations in the analysis. A notice per Government Code Section 65402 b concerning the proposed construction by the County will be given so the City has an opportunity to comment if it wishes on the consistency of the project with its General Plan. Citywide documents of interest include:

- *City of Los Angeles Municipal Code.* The Municipal Code consists of all the regulatory, penal, and administrative ordinances of the City of Los Angeles. It is the method the City uses to implement control of land uses, in accordance with applicable goals and policies. The Municipal Code identifies the permitted land uses according to the zoning category of particular parcels and contains the specific rules and regulations for construction, alteration, and building of new development.
- *Arleta-Pacoima Community Plan, adopted November 1996.* The Arleta Pacoima Community Plan addresses all the Elements of the City General Plan and is internally consistent with the Citywide Elements of the General Plan. The Community Plan intends to promote an arrangement of land uses, streets, and services which will encourage and contribute to the economic, social and physical health, safety, welfare, and convenience of the people who live and work in the community. The plan is also intended to guide development in order to create a healthful and pleasant environment. Goals, Objectives, and Policies are created to meet the existing and future needs and desires of the Arleta-Pacoima community. The Community Plan Map outlines the arrangement and intensity of land uses, the street system, and the locations and characteristics of public service facilities. The analysis of existing conditions and potential project impacts included in this Initial Study incorporates information from all elements of the Community Plan.

1.5 Entitlements and Regulatory Permits

The project may require the following regulatory permits from Responsible Agencies who would rely in part upon the information in the Initial Study when making their determinations:

State of California

- State Water Resources Control Board (SWRCB) General Permit requires that a Storm Water Pollution Prevention Plan (SWPPP) be prepared and certified.
- Department of General Services, Division of State Architect (DSA) approves construction drawings.

Regional Agencies

- LAUSD Joint Powers Agreement and licenses for use and operation of the property.
- Los Angeles Regional Water Quality Control Board (LARWQCB) issues National Pollutant Discharge Elimination System (NPDES) permit.
- South Coast Air Quality Management District (SCAQMD) issues Construction Permit.
- Department of Toxic Substances Control makes “no further action” determination.

Local Agencies

City of Los Angeles

- Approval of emergency access plan
- Approval of construction traffic management plan
- Approval of offsite work for sewer installation
- Approval of offsite work for water line installation

1.6 Determination

Sections 3.0 and 4.0 of this IS present a detailed analysis of the potential environmental impacts of the proposed project. Section 4.0 includes specific mitigation measures to reduce potential project impacts to a less-than-significant level. In accordance with § 21080(c) of CEQA, this IS supports the conclusion that the proposed project may have a significant adverse impact that can be reduced to a less than significant level because revisions have been made or agreed to by the project proponents that will avoid or mitigate the effects to a point where clearly no significant effects would occur.. Therefore, it is recommended that a Mitigated Negative Declaration be prepared for public circulation.

1.7 Public Review

In accordance with CEQA and the CEQA Guidelines, a 30-day public review period for the Draft IS/MND commenced on January 25, 2013, and concluded on February 25, 2013. The Draft IS/MND was specifically distributed to interested or involved public agencies, organizations, and private individuals for review. A Notice of Intent (NOI) was filed with the Los Angeles County Clerk, submitted to the State Clearinghouse, distributed to property owners located within 500 feet of the project site, and posted on the fence line of the property. The Draft IS/MND was available online at <ftp://dpwftp.co.la.ca.us/pub/pmd/SanFernandoHSTHC>. In addition, it was available for general public review at the following locations:

County of Los Angeles
Department of Public Works
900 South Fremont Avenue, Fifth Floor
Alhambra, California 91803

San Fernando Library
217 N. McClay Avenue
San Fernando, California 91340

San Fernando High School
11133 O'Melveny Avenue
San Fernando, CA 91340

Pacoima Branch Library
13605 Van Nuys Blvd
Pacoima, Ca 91331

During the public review period, the public had an opportunity to provide written comments on the information contained within the Draft IS/MND. The public comments on the Draft IS/MND, responses to public comments, and revisions are incorporated into this Final IS/MND. New text is shown in double underline and deleted text is shown in ~~strikeout~~. The County's Board of Supervisors will use the Final IS/MND for all environmental decisions related to this project. In reviewing the Draft IS/MND, affected public agencies and interested members of the public focused on the sufficiency of the document in identifying and analyzing potential project impacts on the environment, and ways in which the significant effects of the project are proposed to be avoided or mitigated.

Comments on the Draft IS/MND were submitted in writing within the 30- day public review period to:

William Honda, Project Manager
County of Los Angeles Department of Public Works
900 South Fremont Avenue, Fifth Floor
Alhambra, California 91803
e-mail: WHONDA@dpw.lacounty.gov

2.0 PROJECT DESCRIPTION

The County of Los Angeles through its lead department, the Department of Public Works, is proposing to construct a school-based Teen Health Center in the City of Los Angeles, on a site owned by LAUSD. **Figure 2-1** (Project Location) presents a vicinity map of the project study area. The proposed project components are described in detail in Section 2.4, Project Description.

2.1 Project Objective

The objective of the proposed project is:

- To consolidate and expand the range of health care services currently offered on-site at San Fernando High School to students of SFHS, Mission Continuation School, and the San Fernando site of the McAlister High School ~~for pregnant and parenting teens, and their dependents.~~

2.2 Project Location

The proposed project is located at 11051 North O'Melveny Avenue in the City of Los Angeles. The SFHS campus is located in the City of Los Angeles, within the northeast portion of the San Fernando Valley. The project site is located on the SFHS campus, which is a site owned by LAUSD. The project site is generally bounded by North O'Melveny Avenue to the northeast and Chamberlain Street to the northwest (refer to *Figure 2-1, Project Location*). The Mission Continuation and McAlister High School ~~for pregnant and parenting teens~~ are located within close proximity (approximately 100 yards south) of the project site.

2.3 Environmental Setting

The site is surrounded by the City of San Fernando to the north and by the City of Los Angeles on all other sides. Other neighboring areas include the Cities of North Hills and Simi Valley towards the southeast; City of Burbank to the southwest; City of Santa Clarita to the northeast; and Los Angeles National Forest to the northwest.

The project site is located approximately 23 miles northeast of downtown Los Angeles in the City of Los Angeles Arleta-Pacoima Community Plan area. The Arleta-Pacoima Community Plan is intended to coordinate development among the various communities of the City of Los Angeles and adjacent municipalities. The Arleta-Pacoima Community Plan area is bounded to the northwest by the City of San Fernando, to the northeast by the Sunland-Tujunga-Shadow Hills-Lake View Terrace Community Plan area, to the southeast by Sun Valley, and to the west by the Mission Hills-Panorama City Sepulveda Community Plan areas. The Arleta-Pacoima Plan area is comprised of several subareas, the most prominent of these being Arleta, Pacoima, Hansen Dam, Northeast Valley Enterprise Zone, and Earthquake Disaster Assistance Project Area. The project site is designated as Public Facilities (PF) on the General Plan land use map.

The project site is owned by LAUSD and is located on the grounds of the SFHS. The project site is located on a portion of a roughly triangular shaped parcel that is approximately 14,250 square feet. The site is generally level and the majority has been paved or landscaped. The site is currently occupied by a metal storage trailer, two storage buildings, and a concrete compost bin.

The area surrounding the project site largely consists of SFHS facilities opposite Chamberlain Street. Immediately to the southeast lies Mission Continuation High School and the San Fernando site of the McAlister High School ~~for pregnant and parenting teens~~. Low density residential uses consisting of single family homes and low density multifamily residential buildings can be found across O'Melveny

Avenue. The project site is located in the vicinity of two major freeways: approximately 1/3 mile east of Interstate 5 (Golden State Freeway) and 1/5 mile north of the State Route 118 (Ronald Reagan Freeway). The site is also located in the vicinity of the Pacoima Wash and the Richie Valens Park and Recreation Center.

Figure 2-1 Project Location



Service Layer Credits: Source: Esri, i-cubed, USDA, USGS, AEX, GeoEye, Getmapping, Aerogrid, IGN, IGP, and the GIS User Community. Copyright: © 2011 Esri, DeLorme, NAVTEQ, TomTom. Sources: Esri, DeLorme, NAVTEQ, TomTom, USGS, Intermap, IPC, NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand); UltraSystems Environmental, Inc., 2012

December 14, 2012

Scale 1:4,800
1 Inch = 200 Feet
0 200 400 Feet
0 50 100 Meters



Legend

- ★ Project_Location
- Project Area Boundary
- San Fernando High School Boundary
- City Boundary
- Los Angeles County Boundary

**San Fernando
H. S. Health Center**

Project Location



2.4 Project Description

Proposed Use

The proposed project consists of the construction of a stand - alone building to house a school-based Teen Health Center. Presently, existing clinic health services take place in a space shared with a nursing station in the Administration Building and two modular buildings on campus that accommodate the health, administrative and mental health services offices. Current clinic health services include sports and comprehensive child physicals, chronic disease care (i.e. asthma management), immunizations, mental health counseling, family planning, pregnancy prevention, health counseling, case management, and referral to specialty care services to students of SFHS, Mission Continuation School, and McAlister High School ~~for pregnant and parenting teens and their dependents~~. These services are decentralized and currently located in various places on campus. The project proposes to consolidate existing health services offered on campus and expand services to include dental which is not currently provided.

In one building, the proposed Teen Health Center will include the following uses:

- Four medical examination rooms
- Two dental examination rooms
- Four counseling offices
- Business offices
- An equipment sterilization room
- A dispensary
- A laboratory
- A nurse's station
- A conference room

Based on existing patient loads, the proposed SFHS clinic would receive approximately 4,000 visits per year for the 1,266 student users of SFHS, Mission Continuation School, and McAlister High School ~~for pregnant and parenting teens~~³.

After the new building is constructed, existing office space previously occupied by the health, administrative and mental health services operations will be filled by administrative staff of another local community services agency. The project would not free up classroom space that would result in an increased student capacity at the school.

Plan Overview

Figures 2-2 and 2-3 (Project Conceptual Site Plan and Aerial View) present conceptual plans of the proposed facility. As shown, the project consists of a single-story, 5,500 square-foot building. The proposed structure would be single story, wood or steel framed, with shallow foundations and slab on grade construction. The site plan provides landscape setbacks from O'Melveny Avenue and Chamberlain Streets. A landscaped outdoor patio and a trash collection area would also be provided on site.

Since the clinic's clientele are existing students attending school at any one of the three adjacent campuses served by the project, access improvements are limited to a newly constructed pedestrian pathway. The project does not propose the construction of a paved parking lot with the exception of two new handicapped stalls to meet ADA requirements. A new curb cut off of O'Melveny Ave. will be constructed for access to the newly constructed handicapped stalls. Clinic parking would continue to be accommodated by the existing campus parking lot as under current conditions.

³ Rocío Cisneros, Clinic Administrator NEVHC - School Based Division San Fernando HS, Maclay MS, LA Mission College. Personal Communications August 21, 2012.

Construction

Project construction is projected to begin in July 2013 and would be completed within approximately one year from ground breaking. The first step in the construction process would be to clear the site, by demolishing existing structures, moving storage bin, and removing 8 mature trees in preparation for grading to establish the slab foundation. These trees are non-native, and include Italian stone pine, fern pine, Mexican Fan palm, Glossy privet, Little-leaf ficus, Chinese Flame tree, Silk floss tree, Italian cypress, and Japanese privet. Dry and wet utilities would be installed and connected to existing lines found in Chamberlain Street. Trenching for utility connections would require intermittent closure of Chamberlain Street, which under current conditions is closed to through traffic during school hours.

Prior to beginning construction activity, soils on-site must be remediated to address elevated levels of lead, arsenic, and 4,4-DDT. The method selected for site remediation involves removing top soil for disposal at an approved facility. Consistent with LAUSD policy related to construction activity on campus, the extent of contamination was determined during soil testing conducted in general accordance with the DTSC *Interim Guidance for Evaluation of School Sites with Potential Soil Contamination as a Result of Lead from Lead-Based Paint, Organochlorine Pesticides from Termiticides, and Polychlorinated Biphenyls from Electrical Transformers* (DTSC, 2006).

Refer to **Figure 2-4** (Lateral and Vertical Extent of Contamination) for areas determined to require remediation. As shown in **Figure 2-4**, areas of contaminated soil are limited to the eastern portion of site. The depth of proposed excavations would reach 2.5 feet below ground surface within the contaminated locations although in a few places excavation would be limited to a depth of 1.5 feet. **Table 2-1** (Soil Remediation Activity) summarizes the areas impacted by lead, arsenic, and OCPs (4,4-DDT), dimension of the impacted area, and the volume of impacted soil to be removed prior to project construction.

Table 2-1 Soil Remediation Activity

Area	Located	Chemical of Concern	Soil Impacted Area (ft ²)	Volume (yards ³)
1	Boring B3	Lead	63.18	5.85
2	Boring B4	Lead	65.78	6.09
3	Boring B7	Lead	1016.51	56.47
4	Boring B6	Arsenic & OCPs (4,4-DDT)	67.89	6.29
		TOTAL	1,213.6 ft ²	74.70 yd ³

Source: Alta Environmental 2012

Based on the known horizontal and lateral extent of contamination, approximately 74 cubic yards of earth requires excavation and removal for off-site disposal resulting in approximately 9 heavy truck trips.⁴ The site would be backfilled in preparation for grading activities with an equivalent volume of clean soil for total of 18 heavy truck trips needed to complete soil remediation. Imported fill would be sampled by a licensed environmental professional and tested at an independent State of California certified laboratory consistent with LAUSD Policy (Section 01 4524 Environmental Import/Export Materials Testing) to ensure it is safe from contamination.

Several Class 1 and 2 landfills are fully permitted and licensed to accept contaminated soil in the State of California. These facilities include Kettleman Hills Landfill in Kings County, Safety Kleen/Laidlaw

⁴ Alta Environmental, Step Out Soil Sampling Investigation for San Fernando Teen Center, 2012.

Landfill in Imperial County, and Foothill Sanitary Landfill (Treatment Site) in Kings County.⁵ The landfill selected or disposal of site soils would be based on various economic considerations including transportation costs and disposal fees.

Operation

The Teen Health Center staff currently consists of thirteen employees including doctors and medical residents, as well as front office staff. Staffing in the new facility is expected to operate at the same level. The Teen Health Center would continue to operate on regular weekdays (Monday through Friday) from 7:30 am to 4 pm with one hour lunch break. The Teen Health Center follows the schedule of SFHS, remaining closed on Saturday and Sunday and there are no after-hours operation.

⁵ Waste Acceptance List for Land Disposal Facilities, State Water Resources Control Board.

Figure 2-2 Project Conceptual Site Plan

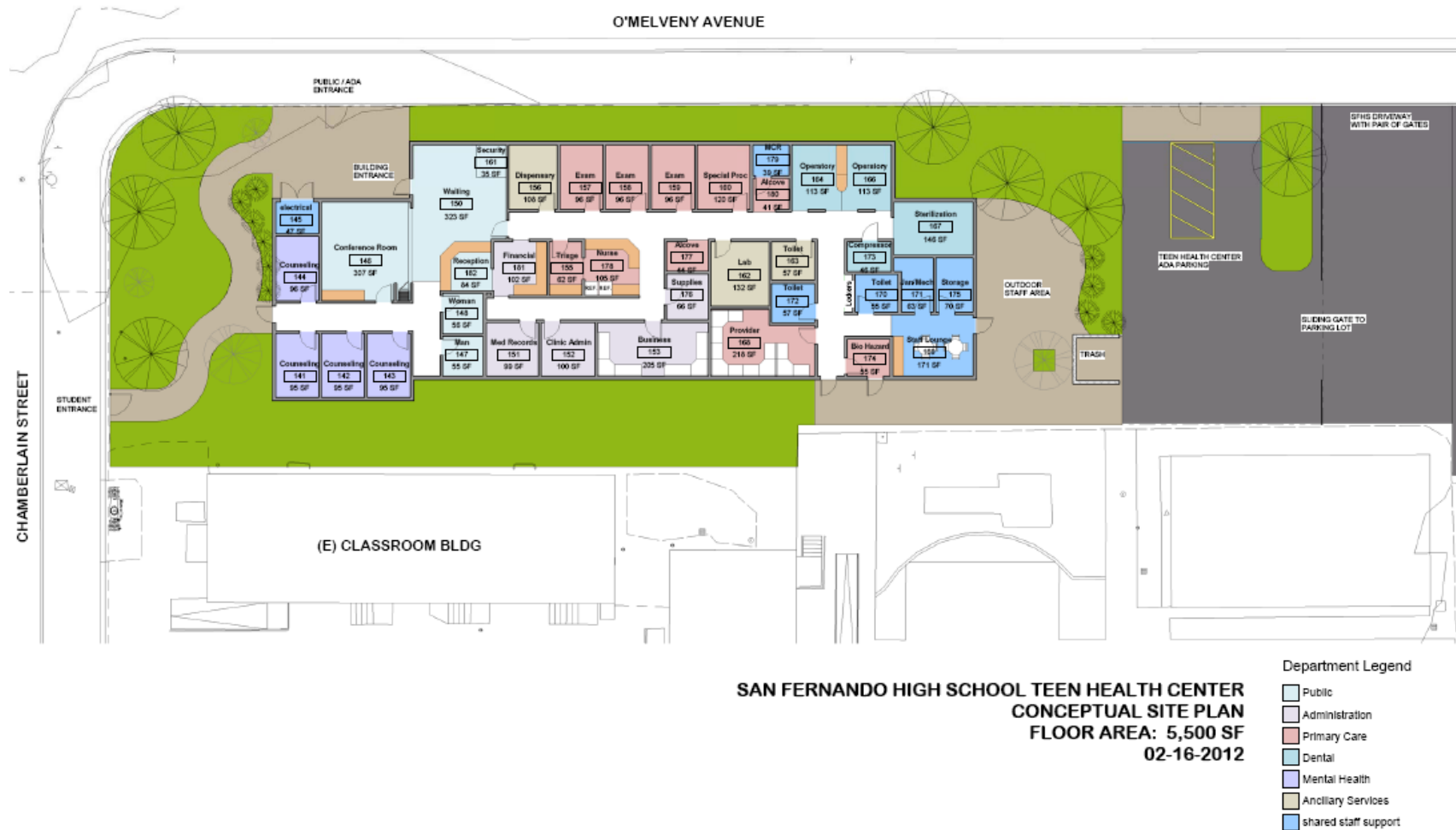
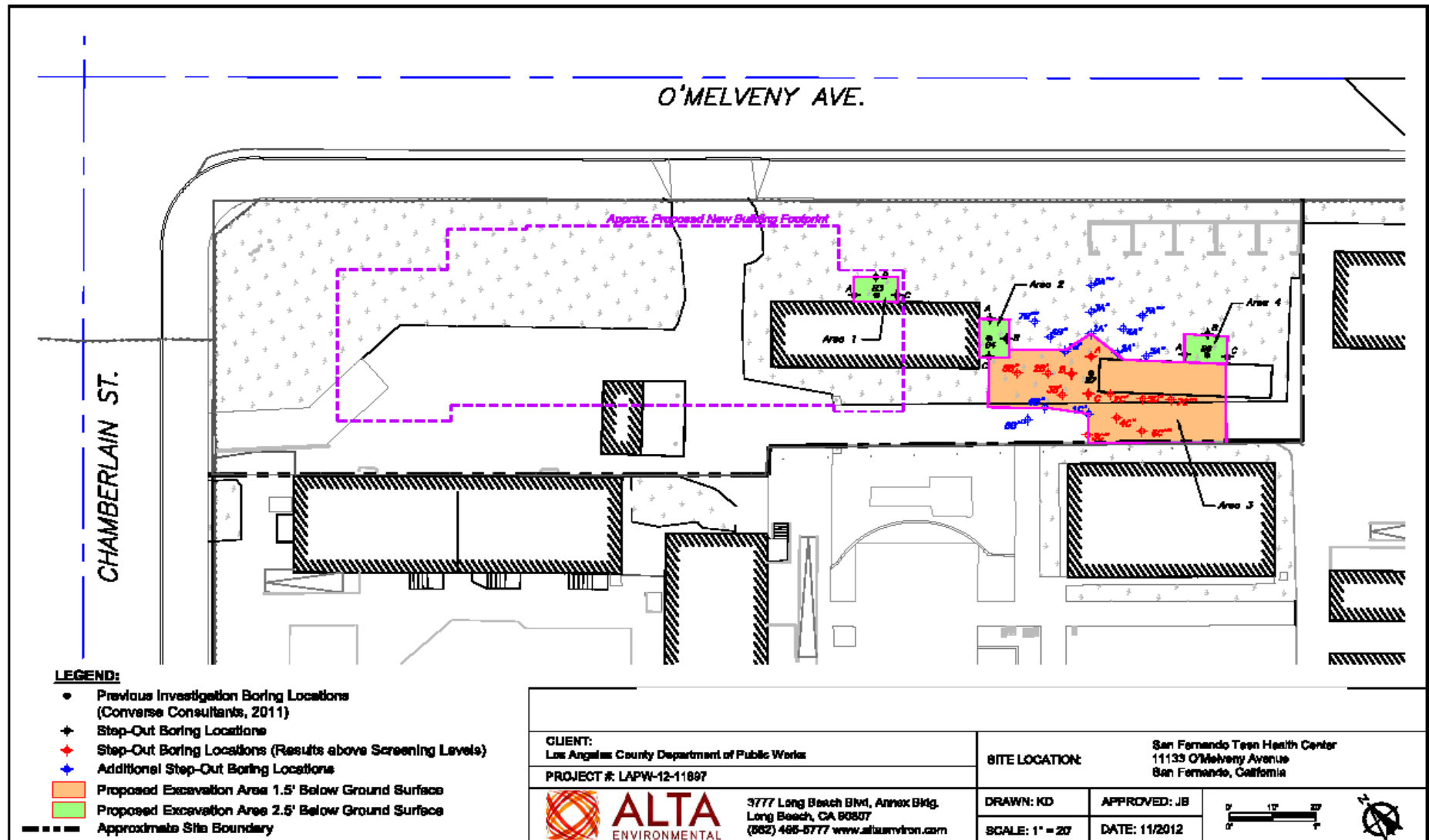


Figure 2-3 Project Conceptual Site Plan - Aerial View



Figure 2-4 Lateral and Vertical Extent of Contamination



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3.0 ENVIRONMENTAL CHECKLIST FORM

3.1 Introduction

1. **Project title:** San Fernando High School Teen Health Center Project
2. **Lead agency name and address:** County of Los Angeles
c/o Department of Public Works
900 So. Fremont Avenue, 5th Floor
Alhambra, CA 91803-1331
3. **Contact person and phone number:** William Honda
(626) 300-2360
4. **Project location:** The proposed project is located in the City of Los Angeles, Los Angeles County, California. (Reference **Figure 2-1**).
5. **Project sponsor's name and address:** County of Los Angeles
c/o Department of Public Works
900 So. Fremont Avenue, 5th Floor
Alhambra, CA 91803-1331
6. **General plan designation** Public Facilities - Although the County of Los Angeles is subject to the planning designations and policies of the County rather than those of City of Los Angeles (City), the County has also analyzed consistency with City designations. A notice per Government Code Section 65402 b concerning the proposed construction by the County will be given so the City has an opportunity to comment if it wishes on the consistency of the project with its General Plan.
7. **Zoning** Public Facilities Zone, RA Suburban Zone
8. **Description of project: (Describe the whole action involved, including but not limited to, later phases of the project, and any secondary, support, or off-site features necessary for its implementation. Attach additional sheets if necessary.)**

See Section 2.4
9. **Surrounding land uses and setting: Briefly describe the project's surroundings:**

See Section 2.3
10. **Other public agencies whose approval is required (e.g., permits, financing approval, or participation agreement):** The lead agency for the proposed project is the County of Los Angeles (County). The County will design and build the proposed project, and a joint powers agreement between the County and LAUSD and appropriate licenses will be completed. The Wellness Center will be operated by a federally approved operator contracted through the LAUSD.

A public agency, other than the lead agency, that has discretionary approval power over a project is known as a "Responsible Agency," as defined by CEQA Guidelines. The

Responsible Agencies, and their corresponding approvals, for this proposed project include the following:

State of California

- > California Department of Transportation
- > California Department of General Services
- > Division of the State Architect

Regional Agencies

- > Los Angeles Unified School District
- > Los Angeles Regional Water Quality Control Board (NPDES permit; issuance of waste discharge requirement; construction storm water run-off permits).

City of Los Angeles

- > Department of Transportation
- > Fire Department (Plan Approval for Emergency Access)
- > City of Los Angeles Planning Department
- > Police Department

3.2 ENVIRONMENTAL FACTORS POTENTIALLY AFFECTED:

The following table briefly describes the environmental issues relative to the proposed project that require mitigation, and project's residual impacts, which are less than significant with mitigation as analyzed in this Mitigated Negative Declaration.

- | | | |
|--|---|---|
| <input type="checkbox"/> Aesthetics | <input type="checkbox"/> Agricultural Resources | <input type="checkbox"/> Air Quality |
| <input checked="" type="checkbox"/> Biological Resources | <input checked="" type="checkbox"/> Cultural Resources | <input checked="" type="checkbox"/> Geology/Soils |
| <input type="checkbox"/> Hazards and Hazardous Materials | <input type="checkbox"/> Hydrology/Water Quality | <input type="checkbox"/> Land Use/Planning |
| <input type="checkbox"/> Mineral Resources | <input checked="" type="checkbox"/> Noise | <input type="checkbox"/> Population/Housing |
| <input type="checkbox"/> Public Services | <input type="checkbox"/> Recreation | <input type="checkbox"/> Transportation/Traffic |
| <input type="checkbox"/> Utilities/Service Systems | <input type="checkbox"/> Mandatory Findings of Significance | |

3.3 DETERMINATION

On the basis of this initial evaluation:

- ☐ I find that the proposed project COULD NOT have a significant effect on the environment, and a NEGATIVE DECLARATION will be prepared.

- ☒ I find that although the proposed project could have a significant effect on the environment, there will not be a significant effect in this case because revisions in the project have been made by or agreed to by the project proponent. A MITIGATED NEGATIVE DECLARATION will be prepared.

- ☐ I find that the proposed project MAY have a significant effect on the environment and an ENVIRONMENTAL IMPACT REPORT is required.

- ☐ I find that the proposed project MAY have a "potentially significant impact" or "potentially significant unless mitigated" impact on the environment, but at least one effect (1) has been adequately analyzed in an earlier document pursuant to applicable legal standards, and (2) has been addressed by mitigation measures based on the earlier analysis as described on attached sheets. An ENVIRONMENTAL IMPACT REPORT is required, but it must analyze only the effects that remain to be addressed.

- ☐ I find that although the proposed project could have a significant effect on the environment, because all the potentially significant effects (1) have been analyzed adequately in an earlier ENVIRONMENTAL IMPACT REPORT or NEGATIVE DECLARATION pursuant to applicable legal standards, and (2) have been avoided or mitigated pursuant to that earlier ENVIRONMENTAL IMPACT REPORT or NEGATIVE DECLARATION, including revisions or mitigation measures that are imposed upon the proposed project, nothing further is required.

Signature

William K. Honda

Printed Name

project manager

Date

1/22/13

4.0 ENVIRONMENTAL CHECKLIST AND EVALUATION

This section contains the IS checklist and supportive information utilized by the County of Los Angeles through its lead department LADPW in its role as Lead Agency to derive conclusions for each of the thresholds provided in the IS checklist. The IS checklist presents a summary of the potential environmental impacts that could result from development of the proposed project. Potential sources of impact are categorized under one of four column headings:

- **Potentially Significant Impact:** A checkmark indicates that there is sufficient evidence that an effect would be significant, or that further analysis within an EIR is required to make that determination.
- **Less Than Significant With Mitigation Incorporated:** A checkmark indicates that it can be reasonably concluded that a potentially significant effect would be avoided or reduced to less than significant through the implementation of one or more mitigation measures, as specified.
- **Less Than Significant:** A checkmark indicates that it is clear, based upon the project characteristics and the affected environment, that the project's impact would be less than significant. No further analysis is required.
- **No Impact:** A checkmark indicates that it is clear, based upon the project characteristics and the affected environment, that this project would have no effect with respect to the checklist topic in question. No further analysis is required.

Detailed explanations for each of the checklist responses follow the checklist questions. For ease of reference, each environmental issue is enumerated the same as in the checklist and categorized under one of the same four column headings: Potentially Significant Impact, Less than Significant with Mitigation Incorporated, Less than Significant Impact, or No Impact.

4.1 AESTHETICS

	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant	No Impact
4.1. AESTHETICS —Would the project:				
a. Have a substantial adverse effect on a scenic vista?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b. Substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within a state scenic highway?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c. Substantially degrade the existing visual character or quality of the site and its surroundings?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d. Create a new source of substantial light or glare, which would adversely affect day or nighttime views in the area?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

A “visual environment” is comprised of both built environment features (including development patterns, buildings, parking areas, and circulation elements) and natural environment features (such as hills, vegetation, rock outcroppings, drainage pathways, and soils). Visual quality, viewer groups and sensitivity, duration, and visual resources characterize views. Visual quality refers to the general aesthetic quality of a view, such as vividness, intactness, and unity. Viewer groups identify who is most

likely to experience the view. Examples of high-sensitivity land uses are residences, schools, playgrounds, religious institutions, and passive outdoor spaces such as parks, playgrounds, and recreation areas. Duration of a view is the amount of time that a particular view can be seen by a specific viewer group. Lastly, visual resources refer to unique views, views identified in local plans, views from scenic highways, or views of specific unique structures or landscape features.

a) Would the project have a substantial adverse effect on a scenic vista?

Project Impacts: No Impact. The project proposes the construction and operation of a single story teen health center facility on the grounds of an existing high school campus. The area surrounding the campus is urbanized and the site itself is located adjacent to low and medium density residential land uses. The Arleta-Pacoima Community Plan does not identify any scenic vistas in the project area. Given that the project is located in a developed area absent scenic vistas, no impact would occur.

b) Would the project substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within a state scenic highway?

Project Impacts: No Impact. The project site does not contain notable visual resources such as rock outcroppings, trees, or historic buildings. The project site is not located within the vicinity of a state scenic highway as officially designated as part of the California Scenic Highway Program. The closest officially designated scenic highway is State Route 2, located approximately 8 miles to the east and south of the project site⁶. Therefore, project implementation would not result in a significant impact on scenic resources within a state scenic highway.

c) Would the project substantially degrade the existing visual character or quality of the site and its surroundings?

Project Impacts: No Impact. The project site is located in an urban setting characterized by a mix of single family and multi-family residential buildings along with the existing high school. Most buildings are well maintained with appealing facades. Views of the existing streetscape include poorly maintained sidewalks with minimal landscaping. Utility poles supporting above ground power and phone lines are visible along the street frontage.

The proposed one-story Teen Health Center is set back from the surrounding roadway and the parkway frontage would be attractively landscaped with ornamental plantings including trees and shrubs. The mass and scale of the proposed building would be similar in character to the surrounding uses. Therefore, the proposed project would not significantly impact the visual character or quality of the site and its surroundings.

d) Would the project create a new source of substantial light or glare, which would adversely affect day or nighttime views in the area?

Project Impacts: No Impact. The project is found in an urban setting illuminated by existing high-pressure sodium pole lighting along roadways and in parking lots. Studies have shown that the average lighting power density⁷ for parking lots and roadways can reach 0.10 watt per square foot,⁸ which the Model Outdoor Lighting Ordinance⁹ classifies as Lighting Zone 4 (Area of high ambient brightness).¹⁰

⁶ California Department of Transportation, Scenic Highways, Los Angeles County, Available online at: http://www.dot.ca.gov/hq/LandArch/scenic_highways/langeles.htm, Accessed on August 6, 2012.

⁷ Lighting Power Density is calculated by dividing the installed wattage by the area of interest.

⁸ California Energy Commission Public Interest Energy Research, Outdoor Lighting Baseline Assessment Final Report, November 2002.

⁹ Illumination Engineers Society of North America, *Model Outdoor Lighting Ordinance Classification of Outdoor Areas*

Project lighting would be limited to that necessary for safety and security, and would comply with all existing County, City and LAUSD requirements. Where a proposed project will generate new light sources that may impact adjacent residences, the LAUSD requires that the intensity of the proposed lighting sources is no more than two foot-candles, measured at the residential property line.¹¹ In order to achieve this result, LAUSD typically requires hoods, filtering louvers, glare shields, and/or landscaping. The project would be constructed to comply with these requirements. Illumination levels generated by security lights fall well within ambient conditions typical of an urban setting. For these reasons, project construction and operation would have no adverse impacts to day or nighttime views in the area.

4.2 AGRICULTURAL RESOURCES

	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant	No Impact
4.2 AGRICULTURAL AND FORESTRY RESOURCES —In determining whether impacts to agricultural resources are significant environmental effects, lead agencies may refer to the California Agricultural Land Evaluation and Site Assessment Model (1997) prepared by the California Department of Conservation as an optional model to use in assessing impacts on agricultural farmland. Would the project:				
a. Convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (Farmland), as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency, to non-agricultural use?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b. Conflict with existing zoning for agricultural use, or a Williamson Act contract?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c. Conflict with existing zoning for, or cause rezoning of, forest land (as defined in Public Resources Code section 12220[g]), timberland (as defined by Public Resources Code section 4526), or timberland zoned Timberland Production (as defined by Government Code section 51104[g])?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d. Result in the loss of forest land or conversion of forest land to non-forest use?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
e. Involve other changes in the existing environment which, due to their location or nature, could result in conversion of farmland, to non-agricultural use or conversion of forest land to non-forest use?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

¹⁰ Lighting zones attempt to correlate outdoor lighting power allotments to the ambient illumination levels of a local area. Lights zones serve a similar function as the climate zones defined in Title 24 Building Energy Efficiency Standards.

¹¹ New School Construction Program EIR. 2004. Los Angeles Unified School District. Pg. 3.13-10.

- a) **Would the project convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (Farmland), as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency, to non-agricultural use?**

Project Impacts: No Impact. The project site is located in a developed urban area adjacent to low and medium density residential land uses and SFHS facilities. The Los Angeles Municipal Code designates the proposed project site as a Suburban Area. According to the Arleta-Pacoima Community Plan, the current land use designation for the project site is PF-Public Facilities. Neither the project site nor surroundings include any lands with agricultural designation and/or zoning. Therefore, the proposed project would not result in the conversion of any farmland of importance to an urban use. No significant impacts to farmland conversion would occur due to the implementation of the proposed project.

- b) **Would the project conflict with existing zoning for agricultural use, or a Williamson Act contract?**

Project Impacts: No Impact. According to the Arleta-Pacoima Community Plan, the current land use designation for the project site is PF-Public Facilities. The project site or the surrounding area does not include any lands with agricultural land use designation and/or zoning. The project site is located in a developed urban area adjacent to low and medium density residential land uses and SFHS facilities. Therefore, no adverse impacts to agricultural resources would occur due to development of the proposed project.

- c) **Would the project conflict with existing zoning for, or cause rezoning of, forest land (as defined in Public Resources Code section 12220[g]), timberland (as defined by Public Resources Code section 4526), or timberland zoned Timberland Production (as defined by Government Code section 51104[g])?**

Project Impacts: No Impact. The project site is located in a developed urban area adjacent to low and medium density residential land uses and SFHS facilities. There are no forest lands within the vicinity of the project site. This includes forest lands as defined under California Public Resources Code Section 4526, Timberland, California Public Resources Code Section 12220(g), which defines “forest land”, and California Government Code Section 51104(g), which defines a “timberland production zone”. Therefore, no adverse impacts to forest resources would occur due to development of the proposed project.

- d) **Would the project result in the loss of forest land or conversion of forest land to non-forest use?**

Project Impacts: No Impact. As indicated in the previous response, the project site and surrounding area does not include any lands with forest use designation and/or zoning. The project site is located in a developed area adjacent to low and medium density residential land uses and SFHS Facilities. Therefore, the proposed project would not result in the loss of forest land or conversion of forest land to non-forest use.

- e) **Would the project involve other changes in the existing environment which, due to their location or nature, could result in conversion of farmland, to non-agricultural use or conversion of forest land to non-forest use?**

Project Impacts: No Impact. As indicated in the above previous responses, the project site is not currently designated or zoned for agricultural or forest uses and the surrounding areas have already developed with other land uses. Consequently, the proposed project would not result in the conversion of farmland to non-agricultural use or conversion of forest land to non-forest use and no impacts would occur.

4.3 AIR QUALITY

	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant	No Impact
4.3 AIR QUALITY —Where available, the significance criteria established by the applicable air quality management or pollution control district may be relied upon to make the following determinations. Would the project:				
a. Conflict with or obstruct implementation of the applicable air quality plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b. Violate any air quality standard or contribute substantially to an existing or projected air quality violation?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c. Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard (including releasing emission which exceed quantitative thresholds for ozone precursors)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d. Expose sensitive receptors to substantial pollutant concentrations?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
e. Create objectionable odors affecting a substantial number of people?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

The project site is located in the South Coast Air Basin (SCAB), which is under the jurisdiction of South Coast Air Quality Management District (SCAQMD). The SCAQMD is responsible for preparing a regional Air Quality Management Plan (AQMP) to improve air quality in the region. The AQMP includes a variety of strategies to accommodate growth, to reduce the high levels of pollutants within the SCAB, to meet State and federal air quality performance standards, and to minimize the fiscal impact that pollution control measures have on the local economy. This air quality study is based on the methodology and criteria provided in the SCAQMD *CEQA Air Quality Handbook* and the 2003 AQMP to assess project construction and operational impacts on regional air quality.

The following acronyms for studied air pollutants are used in this section:

CO	Carbon monoxide
NO _x	Nitrogen oxides
O ₃	Ozone
PM ₁₀	Respirable particulate matter (up to 10 micrometers in diameter)
PM _{2.5}	Fine particulate matter (up to 2.5 micrometers in diameter)
SO ₂	Sulfur dioxide
VOC / ROG	Volatile organic compounds / Reactive organic gases

The term “ROG” is used by the California Air Resources Board (CARB) for air quality analysis and is defined essentially the same as the federal term “VOC.” The emissions modeling described in **4.3b** below showed that maximum sulfur dioxide emissions will be about 0.03 pounds per day. Furthermore, the

proposed project will have no lead emission sources. Therefore, SO₂ and lead are not discussed in the air quality analysis.

a) Would the project conflict with or obstruct implementation of the applicable air quality plan?

Project Impacts: Less Than Significant Impact. The SCAQMD has established an AQMP that proposes policies and measures to achieve federal and state standards for healthful air quality in the SCAB. The most recently approved AQMP was adopted by the SCAQMD Board of Directors on June 1, 2007.

The AQMP incorporates land use assumptions from local general plans and regional growth projections developed by Southern California Association of Governments (SCAG) to estimate stationary and mobile source air emissions associated with projected population and planned land uses. If the proposed land use is consistent with the local general plan, then the impact of the project is presumed to have been accounted for in the AQMP. This is because the land use and transportation control sections of the AQMP are based on the SCAG regional growth forecasts, which incorporated projections from local general plans.

Another measurement tool in determining consistency with the AQMP is to determine whether a project would generate population and employment growth and, if so, whether that growth would exceed the growth rates forecasted in the AQMP and how the project would accommodate the expected increase in population or employment.

The proposed project will not conflict with the land use designation specified in the Arleta-Pacoima Community Plan. In addition, the proposed project is neither a source of new housing nor a significant source of new jobs; hence, the proposed project is not considered growth or population-inducing on a regional scale. Therefore, the proposed project will not conflict with or obstruct the implementation of the AQMP. The impact will be less than significant.

b) Would the project violate any air quality standard or contribute substantially to an existing or projected air quality violation?

Project Impacts: Less Than Significant Impact. Air quality impacts are typically divided into two categories, short-term impacts and long-term impacts. Short-term impacts are associated with construction activities such as demolition, excavation, structural construction, paving, and finishing of the proposed project. Long-term impacts are associated with the operation of the proposed project. **Table 4.3-1, SCAQMD Significance Thresholds for Regional Impacts**, presents the significance thresholds for criteria air pollutants established by SCAQMD.¹² A project is considered to generate a regional air quality impact if emissions from its construction and/or operational activities exceed the corresponding SCAQMD significance thresholds.

¹² South Coast Air Quality Management District, 2010. SCAQMD webpage, Significant Thresholds table. Available at <http://www.aqmd.gov/ceqa/handbook/signthres.pdf> (Rev. March 2009). Accessed May 2, 2012.

Table 4.3-1
SCAQMD Significance Thresholds for Regional Impacts

Pollutant	Mass Daily Thresholds (Pounds/Day)	
	Construction	Operation
Nitrogen Oxides (NO _x)	100	55
Volatile Organic Compounds (VOC)	75	55
Respirable Particulate Matter (PM ₁₀)	150	150
Fine Particulate Matter (PM _{2.5})	55	55
Sulfur Oxides (SO _x)	150	150
Carbon Monoxide (CO)	550	550
Lead	3	3
Source: "SCAQMD Air Quality Significance Thresholds." 2009. Diamond Bar, CA: South Coast Air Quality Management District, www.aqmd.gov/ceqa/handbook/signthres.pdf . March 2009. Accessed May 2, 2012.		

Construction Impacts

Estimated emissions from the construction of the proposed project were calculated using the California Emissions Estimator Model (CalEEMod™), which was developed for the SCAQMD. CalEEMod is a computer program for estimating air emissions related to land use projects. The model incorporates EMFAC2007 emission factors and Institute of Transportation Engineers (ITE) trip generation rates to estimate vehicle emissions. Construction of the proposed project will generate temporary, short-term emissions of various air pollutants. Construction emissions can be distinguished as either on-site or off-site. On-site air pollutant emissions during construction will principally consist of exhaust emissions from off-road heavy-duty construction equipment and fugitive particulate matter from earthwork and material handling operations. Off-site exhaust emissions will result from trucks exporting contaminated soil and importing clean soil, trucks hauling construction materials and debris, and workers commuting to and from the project site.

The proposed project would include demolition of existing structures, breakup of existing pavement and replacement with concrete, soil remediation (analysis assumes off-site disposal) and erection of new structures. Each construction phase involves the use of a different mix of construction equipment and therefore, has its own distinct emissions characteristics. A schedule of equipment use was set up to determine which equipment would be operated simultaneously. During the initial phase of development, existing uses would be demolished in preparation for soil remediation activities. Equipment typically associated with such activities includes backhoe, trucks, compressors and generators to drive pneumatic tools. Remedial activity is assumed to include excavation of top soil using tractors and heavy trucks to transport the soil to off-site disposal facility. Once remediated, the site would be prepped and a slab foundation poured. Typical equipment associated with this stage of construction includes tractors, concrete mixers, heavy trucks and concrete pumps. Next, structures would be introduced beginning with framing of the building and trenching for utility connections. A variety of equipment is associated with such activity including saws, compressors to power pneumatic equipment, trucks hauling materials to and from the site.

Since detailed design information was not available at the time this document was prepared, construction-related emission estimates were based on the default construction scenario information in CalEEMod.¹³

¹³ California Emissions Estimator Model (CalEEMod), Users Guide, Version 2011.1 Appendix D Default Tables. Prepared by ENVIRON International Corporation, Emeryville, California, for the South Coast Air Quality Management District, Diamond Bar, California (February 2011).

Estimates of the types and numbers of pieces of equipment anticipated in each phase of construction and development were based on equipment requirements of similar construction projects. Pollutant emissions would vary from day to day depending on the intensity and type of construction activity.

Project construction emissions were estimated using the construction module of CalEEMod. For the analysis, the construction period would begin January 2013, and last for 1 year.¹⁴ Also, it was assumed that fugitive dust control measures required under SCAQMD Rule 403 would be implemented. The project construction contractor must follow applicable SCAQMD regulations regarding control of fugitive dust emissions and VOC content limits in applied architectural coatings during the project's construction. Equipment exhaust emissions were determined using CalEEMod's default values for horsepower and load factors, which are from the CARB's OFFROAD2007 model. The default value for the VOC content of architectural coatings was changed to that of a typical commercial building coating formulation.^{15 16} The estimated emissions are presented in **Table 4.3-2, Maximum Daily Construction Emissions (Unmitigated)**. Modeling assumptions and output files and other calculations are provided in **Appendix A**.

Table 4.3-2
Maximum Daily Construction Emissions (Unmitigated)

Construction Activity	Maximum Emissions (lbs/day)				
	ROG	NO _x	CO	PM ₁₀	PM _{2.5}
Maximum Cumulative Emissions	2.61	22.06	14.35	6.62	1.65
Construction Activities	Grading	Grading	Grading	Grading	Grading
<i>SCAQMD Significance Thresholds</i>	<i>75</i>	<i>100</i>	<i>550</i>	<i>150</i>	<i>55</i>
Significant (Yes or No)	No	No	No	No	No
— Source: Calculated by UltraSystems with CalEEMod (Version 2011.1)					

As shown in **Table 4.3-2**, the maximum daily construction emissions will be below the SCAQMD significance thresholds for all criteria pollutants. Air quality impacts associated with the proposed project construction will be temporary and less than significant.

Operational Impacts

The primary source of operational emissions would be vehicle exhaust emissions generated from project-induced vehicle trips, known as “mobile source emissions.” Other emissions, identified as “area source emissions,” would be generated from energy consumption for water and space heating for the proposed teen center; structural maintenance and landscaping activities; and use of consumer products.

Operational emissions from the Proposed Project were estimated using the operational module of

¹⁴ Memorandum from Ole Barre, UltraSystems Environmental, Inc., Irvine, California to Ken Koch, UltraSystems Environmental, Inc., El Dorado Hills, California (March 12, 2012).

¹⁵ Material Safety Data Sheet for “Acry-Sheen White,” Product Code 0250001. Frazee Industries, San Diego, California (October 12, 2006).

¹⁶ Material Safety Data Sheet for “Duratec II Flat White,” Product Code 2030001. Frazee Industries, San Diego, California (March 25, 2011).

CalEEMod. The vehicle trip generation rates of the Proposed Project were obtained from default values in CalEEMod that are based on land use definitions published by the Institute of Transportation Engineers (ITE).¹⁷ In addition, default values generated by CalEEMod, including the expected vehicle fleet mix, and vehicle traveling speed and distance assumptions, were used in the model run.

Table 4.3-3, *Summary of Unmitigated Operational Emissions*, shows the results of the criteria pollutant emissions analysis. All criteria pollutant emissions are below their respective thresholds of significance and operational impacts would be less than significant.

**Table 4.3-3
Summary of Unmitigated Operational Emissions**

Emission Source	Maximum Emissions (lbs/day)					
	ROG	NO _x	CO	SO _x	PM ₁₀	PM _{2.5}
Area	0.16	0.00	0.00	0.00	0.00	0.00
Energy	0.01	0.10	0.08	0.00	0.01	0.01
Mobile	1.97	5.02	18.48	0.03	3.66	0.33
Total Operational Emissions	2.14	5.12	18.56	0.03	3.67	0.34
<i>SCAQMD Significance Thresholds</i>	<i>55</i>	<i>550</i>	<i>55</i>	<i>150</i>	<i>150</i>	<i>55</i>
Significant (Yes or No)	No	No	No	No	No	No
Source: Calculated by UltraSystems with CalEEMod (Version 2011.1)						

- c) **Would the project result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard (including releasing emissions which exceed quantitative thresholds for ozone precursors)?**

Project Impacts: Less Than Significant Impact. The proposed project is in state and federal nonattainment areas for O₃, PM₁₀ and PM_{2.5}, and a state nonattainment area for NO₂.¹⁸ Typically, the approach for assessing cumulative operational impacts is based on the AQMP's forecasts of attainment of ambient air quality standards in accordance with the requirements of the federal and State Clean Air Acts. This forecast also takes into account future regional growth identified by the regional transportation planning agency. The analysis of cumulative impacts focuses on determining whether the proposed project is consistent with forecasted future regional growth. If a proposed project is consistent with the regional population, housing, and employment growth assumptions upon which the AQMP is based, then future development will not impede the attainment of ambient air quality standards, and a significant cumulative air quality impact will not occur.

As discussed previously, operation of the proposed project will not introduce significant new air emissions to the region. The proposed project does not conflict with the AQMP. Therefore, the impacts will be less than significant.

¹⁷ Institution of Transportation Engineers. *Trip Generation*, 8th Edition. 2008.

¹⁸ Federal designations are from U.S. Environmental Protection Agency, "California 8-Hour Ozone Nonattainment Areas (1997 Standard)." Green Book. Internet URL: www.epa.gov/air/oagps/greenbook/ca8.html. Updated December 2010. Last accessed: March 8, 2011; State designations are from California Air Resources Board, 2010. Area Designation Maps. <http://www.arb.ca.gov/desig/adm/adm.htm>. Accessed on May 26, 2010.

d) Would the project expose sensitive receptors to substantial pollutant concentrations?

Project Impacts: Less Than Significant Impact. Sensitive receptors located near a project's vicinity will be subject to localized air quality impacts due to project-generated emissions. Sensitive receptors are persons who are more susceptible to air pollution than the general population, such as children, athletes, the elderly, and the chronically ill. Examples of land uses where substantial numbers of sensitive receptors are often found are schools, daycare centers, parks, recreational areas, medical facilities, nursing homes, and convalescent care facilities. Residential areas are also considered to be sensitive to air pollution because residents (including children and the elderly) tend to be at home for extended periods of time, resulting in sustained exposure to pollutants. The nearest sensitive land use is SFHS campus, on which the proposed project would be constructed. The next nearest sensitive receptor around the area is the residential neighborhood northeast of the project site on the corner of O'Melveny Ave and Chamberlain St, which is approximately 62 feet away.

Short-Term (Construction) Impact

Construction of the proposed project will be intermittent and short-term, and will not generate a substantial amount of air pollutants, as illustrated in **Table 3-2**. A screening analysis based upon the SCAQMD's localized significance threshold (LST) methodology¹⁹ was performed for the nearest sensitive receptor (SFHS). **Table 4.3-4, Results of Localized Significance Screening Analysis**, show the results. As shown, project generated emissions are below the thresholds for localized exposures so project impacts would be less than significant.

**Table 4.3-4
Results of Localized Significance Screening Analysis**

Pollutant	Distance From Receptor (feet)	Calculated Emissions (lbs/day)	Threshold Emissions (lbs/day)	Exceeds Threshold?
NO _x	12	16.33	80	No
CO	12	10.77	498	No
PM ₁₀	12	1.39	4	No
PM _{2.5}	12	1.2	3	No
— Source: UltraSystems Environmental Inc., 2011 with CalEEMod (Version 2011.1)				

Long-Term (Operational) Impact

Operation of the proposed project would increase local vehicle traffic, which may contribute to off-site air quality impacts. The traffic increases in nearby intersections may contribute to traffic congestion, which may create "pockets" of CO called "hotspots". These pockets have the potential to exceed the State one-hour standard of 20 ppm and/or the 8-hour standard of 9.0 ppm, thus affecting sensitive receptors that are close to these roadways or intersections. CO hotspots typically are found at busy intersections, but can also occur along congested major arterials and freeways. They occur mostly in the early morning hours when winds are stagnant and ambient CO concentrations are elevated. In accordance with the California Department of Transportation (Caltrans) CO Protocol,²⁰ CO hotspots are evaluated when a project

¹⁹ SCAQMD, 2003. *Final Localized Significance Threshold Methodology*. June.

²⁰ California Department of Transportation. 1997. *Transportation Project-Level Carbon Monoxide Protocol*.

degrades the level of service (LOS) at a nearby signalized intersection to “E” or worse. Typically, hotspots analyses are not performed for unsignalized intersections, which have lower traffic volumes than those with signals. This is particularly the case when a hotspots analysis shows no impacts for the most congested, signalized intersections.

The Project traffic study predicts that a total of 58 daily trips would be generated at project completion, which is nominal in relation to the current volume along the roadway network. The study found that “there is very little probability the project will result in any impact to the surrounding circulation network.”²¹ Therefore, the project would not degrade the operating condition of nearby signalized intersections and a quantitative CO hotspots analysis is not required. Project impacts on localized CO concentrations would be considered less than significant.

e) Would the project create objectionable odors affecting a substantial number of people?

Project Impacts: Less Than Significant Impact. Construction activities for the proposed project would generate airborne odors associated with the operation of construction vehicles (i.e., diesel exhaust) and the application of paints and coatings. These emissions would occur during daytime hours only, and would be isolated to the immediate vicinity of the construction site and activity. Therefore, they would not affect a substantial number of people. During operation, odors from the proposed uses of the proposed project would be similar to those of the surrounding school facilities. Impacts associated with objectionable odors would be less than significant.

4.4 BIOLOGICAL RESOURCES

	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant	No Impact
4.4 BIOLOGICAL RESOURCES—Would the project:				
a. Have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Game or U.S. Fish and Wildlife Service?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b. Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations, or by the California Department of Fish and Game or U.S. Fish and Wildlife Service?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c. Have a substantial adverse effect on federally protected wetlands (including, but not limited to, marsh, vernal pool, coastal, etc.) either individually or in combination with the known or probable impacts of other activities through direct removal, filling, hydrological interruption, or other means?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d. Interfere substantially with the movement of any resident or migratory fish or wildlife species or with	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

²¹ Rutherford, K. Letter report by VA Consulting, Inc., Irvine, California to Ken Koch, UltraSystems Environmental, Inc., Grass Valley, California (March 20, 2012), p. 2.

	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant	No Impact
established resident or migratory wildlife corridors, or impede the use of wildlife nursery sites?				
e. Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
f. Conflict with the provisions of an adopted Habitat Conservation Plan, Natural Communities Conservation Plan, or other approved local, regional, or state habitat conservation plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

- a) **Would the project have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Game or U.S. Fish and Wildlife Service?**

Project Impacts: No Impact. A project would have a significant biological impact through the loss or destruction of individuals of a species or through the degradation of sensitive habitat. The proposed project includes the construction and operation of a school-based teen health center on the grounds of an existing school facility. The site is located in the San Fernando Valley which is highly urbanized. Plant life is limited to non-native, introduced, and ornamental species that are typically used for landscaping. The project site and the surrounding area do not contain any natural habitat or species identified as candidate, sensitive, or of special status in the federally or state protected species list. Proposed development would not result in significant habitat modifications, nor would it impact any sensitive animal or plant species as none occur on or near the project site. For these reasons, the project would not result in significant impacts to Federal or State listed species.

- b) **Would the project have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations, or by the California Department of Fish and Game or US Fish and Wildlife Service?**

Project Impacts: No Impact. A significant impact would occur if any riparian habitat or natural community were lost or destroyed as a result of the proposed project. The project site is heavily disturbed by past and present uses and is located in an urbanized setting that does not contain riparian habitat or other sensitive natural community. No bodies or courses of water to provide habitat for fish exist on or adjacent to the project site. The project site is not located in or adjacent to any riparian area or significant ecological area, as determined by the County of Los Angeles, General Plan. Therefore, the proposed project would not have an adverse effect on a riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations, or by the California Department of Fish and Game or US Fish and Wildlife Service.

- c) **Would the project have a substantial adverse effect on federally protected wetlands as defined by §404 of the Clean Water Act (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means?**

Project Impacts: No Impact. A significant impact would occur if federally protected wetlands would be modified or removed by the proposed project. The project site does not contain any federally protected wetlands as defined by Section 404 of the Clean Water Act. The project site is heavily disturbed by past

and present uses and is located in an urbanized setting that does not contain wetlands of any type. Therefore, the proposed project would not have any adverse effect on federally protected wetlands and no impact would occur.

d) Would the project interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites?

Project Impacts: Less than Significant With Mitigation Incorporated. A significant impact would occur if the proposed project interfered with or removed access to a migratory wildlife corridor or impeded use of native wildlife nursery sites. Wildlife movement corridors are generally defined on a regional level as habitat linkages that connect otherwise large disjunct open space areas such as local, state, and national parks, forests, preserves and wilderness areas. Within these habitat linkages, riparian strips, canyon bottoms, drainages, and even dirt trails are often used to facilitate movement. As previously mentioned, the project site is located in a highly urbanized setting that does not contain natural areas that could serve as wildlife corridors.

The project would require removal of 8 mature ornamental trees on the property. None of the trees on the property are protected species under City or County codes, so not significant impact would occur as a result of removal. In addition, LAUSD policy does require written authorization for removal from the principal of the school and replacement of trees on campus at 1:1 ratio, and these requirements will be met.

However, removal or disturbance of vegetation during the nesting season could affect habitat and bird species that are present. Nesting birds are protected by state (Fish and Game Code) and federal (Migratory Bird Treaty Act) regulations. Disturbance of a nesting bird during project construction would represent a significant impact absent implementation of recommended mitigation outlined below.

Mitigation Measure B1: Two biological surveys shall be conducted, one 15 days prior and a second 72 hours prior to construction that would remove or disturb suitable nesting habitat. The surveys shall be performed by a biologist with experience conducting breeding bird surveys. The biologist shall prepare survey reports documenting the presence or absence of protected native bird in the habitat to be removed and other such habitat within 300 feet of the construction work area (within 500 feet for raptors). If a protected native bird is found, surveys will be continued in order to locate nests. If an active nest is located, construction within 300 feet of the nest (500 feet for raptor nests) will be postponed until the nest is vacated and juveniles have fledged and when there is no evidence of a second attempt at nesting.

e) Would the project conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?

Project Impacts: No Impact. A significant impact would occur if the proposed project were inconsistent with local regulations pertaining to biological resources. The project site is not located within an area set aside for conservation or protection of a natural resource. The property is zoned for developed use, and vegetation is limited to non-native ornamental trees and shrubs. The proposed project would be required to comply with all policies and ordinances protecting biological resources. The County of Los Angeles Oak Tree Protection Ordinance protects oak trees within Los Angeles County. The City of Los Angeles has implemented a Native Tree Protection Ordinance (No. 177404) that covers all oaks (except the scrub oak), the California bay laurel, the Southern California black walnut and the Western sycamore. It is illegal to remove or fatally harm any of these species if they measure at least 4 inches wide at 54 inches above ground level. None of these species would be directly affected by the project. Therefore, no impacts would occur.

- f) **Would the project conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or State habitat conservation plan?**

Project Impacts: No Impact. A significant impact would occur if the proposed project were inconsistent with any adopted habitat conservation plan. The project site is not located in or adjacent to an existing Significant Ecological Area (SEA) or Environmentally Sensitive Habitat Area (ESHA). Additionally, the project site does not lie within an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or State habitat conservation plans. Therefore, no impacts would occur due to the implementation of the proposed project.

4.5 CULTURAL RESOURCES

	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant	No Impact
4.5 CULTURAL RESOURCES —Would the project:				
a. Cause a substantial adverse change in the significance of a historical resource as defined in §15064.5?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b. Cause a substantial adverse change in the significance of a unique archaeological resource pursuant to §15064.5?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c. Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d. Disturb any human remains, including those interred outside of formal cemeteries?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

- a) **Would the project cause a substantial adverse change in the significance of a historical resource as defined in §15064.5?**

Project Impacts: No Impact.

The National Register of Historic Places is the nations' comprehensive inventory of historic resources. The National Register is administered by the National Park Service and includes structures, buildings, sites, objects and districts that possess historic, architectural, engineering, archeological, or cultural significance at national, state, or local level. Typically, resources over 50 years of age are eligible for listing if they meet any of four criteria of significance and retain historic integrity.

1. Buildings associated with events that made significant contribution to broad pattern of history;
2. Building associated with lives of persons significant in our past;
3. Buildings that embody distinctive characteristics of a type, period, or method of construction;
4. Buildings that have yielded, or are likely to yield, information important to prehistory or history.

The National Register of Historic Places²² was reviewed, and no historic places are located on North O'Melveny Avenue and Chamberlain Street. The listing of California Historic Landmarks²³ was also reviewed, and no historic landmarks are located on North O'Melveny Avenue and Chamberlain Street. The proposed project is not located in the vicinity of a designated national, state, county or local historical site. Furthermore, the proposed project is not located in the vicinity of any notable historically significant buildings. The SFHS was assessed for potential historic significance in a 2004 District-wide survey of facilities over 45 years of age. The high school received a historical resource status code of 6Z, which indicates that it was determined to be ineligible for National Register or California Register or local designation through survey evaluation²⁴. Therefore, no known historic resources would be impacted by the proposed project, and no impact would occur.

b) Would the project cause a substantial adverse change in the significance of an archaeological resource pursuant to §15064.5?

Project Impact: Less than Significant with Mitigation Incorporated. The site is paved and contains several storage buildings and an old trailer. No known cultural resources exist on the campus and there is a low probability that such artifacts occur on site given the disturbed nature of the setting. As is the case with most projects that involve excavation and grading activities, the possibility exists for previously unknown archaeological resources to be uncovered. In the event a previously unknown archaeological resource is uncovered during project construction, the following mitigation measure would be implemented to avoid significant impacts:

Mitigation Measure CR1: In the event a previously unrecorded archeological deposit is encountered during construction, all activity shall cease in the vicinity of the find and redirected elsewhere. An archeologist meeting the Secretary of Interior's Professional Qualifications for Archeology as defined at 36 CFR Part 61, Appendix A (Professional Archeologist) will be contracted to determine: 1) If the archeological deposits meet the CEQA definition of historical (State CEQA Guidelines 15064.5(a)) and or unique archeological resource (Public Resources Code 21083.2(g)); and 2) make recommendations on the treatment of the deposits. The recommendations shall be developed in accordance with applicable provisions of Public Resource Code Section 21083.2 and State CEQA Guidelines 15064.5 and 15126.4. The applicant shall follow all final recommendations made by the archeologist as a condition for construction continuation in the vicinity of the find.

c) Would the project directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?

Project Impacts: Less than Significant with Mitigation Incorporated. The San Fernando Valley (SFV) contains the headwaters of the Los Angeles River and its tributaries. Prior to the advent of flood control, the valley floor was composed of an active suite of alluvial fans and floodplains divisible in terms of provenance into eastern and western parts. Surfaced deposits in the entire project area consist of younger Quaternary Alluvium, primarily as fan deposits of clays, sands and gravels derived from the surrounding hills. The uppermost layers of these deposits are unlikely to contain any significant vertebrate fossils due to their relatively young age, but vertebrate fossils are known from deeper layers. Therefore, the possibility exists for paleontological resources to be uncovered during the excavation and grading of the project area. In the event a previously unknown paleontological resource is uncovered during project construction, the following mitigation measure would be implemented to avoid significant impacts:

^{22/} National Register of Historic Places, Los Angeles County, California, available at: <http://www.nationalregisterofhistoricplaces.com/CA/Los+Angeles/state.html>

^{23/} California Office of Historic Preservation, California Historic Landmarks, Los Angeles County, available at: http://ohp.parks.ca.gov/?page_id=21445

²⁴ Phase 2 Historic Resources Survey of Schools in the Los Angeles Unified School District, Final Database, 2004

Mitigation Measure CR2: In the event that paleontological resources are encountered during grading or excavation, all earth-moving activities shall cease until the paleontological resources are properly assessed and an appropriate treatment plan is determined. The applicant shall contract with a qualified paleontologist to determine: 1) If the deposits meet the CEQA definition of historical (State CEQA Guidelines 15064.5(a)) and or unique archeological resource (Public Resources Code 21083.2(g)); and 2) make recommendations on the treatment of the deposits. The recommendations shall be developed in accordance with applicable provisions of Public Resource Code § 21083.2 and State CEQA Guidelines 15064.5 and 15126.4. The applicant shall follow all final recommendations made by the paleontologist. The paleontologist must complete a report of the excavations and findings and submit the report ~~for peer review by three paleontologists to the Office of Historic Preservation.~~ Upon approval of the report, the County must submit it to the Los Angeles Archeological Information Center and keep the report on file with the County of Los Angeles. Work may resume after the find has been appropriately mitigated.

d) Would the project disturb any human remains, including those interred outside of formal cemeteries?

Project Impacts: Less than Significant with Mitigation Incorporated. A significant impact would occur if previously interred human remains were disturbed during excavation of the project site. The project site is currently developed, and no human remains are known to be present. In the event that excavation activities do uncover human remains, appropriate federal and State guidelines would be followed. With the implementation of the recommended mitigation measure, impacts on previously unidentified human remains would be less than significant.

Mitigation Measure CR3: If human remains are discovered, there shall be no further disturbance of the site or nearby areas suspected to overlie human remains until the County Coroner has been notified and examined the remains. No disposition of such human remains shall occur, other than in accordance with the procedures and requirements set forth in California Health and Safety Code § 7050.5 and Public Resources Code § 5097.98. The Coroner shall notify the Native American Heritage Commission (NAHC) if remains are thought to be of Native American origin. If Native American remains are discovered, then the NAHC shall notify those persons believed to be the most likely descendants of the deceased Native American for appropriate disposition of the remains.

4.6 GEOLOGY AND SOILS

	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant	No Impact
4.6 GEOLOGY AND SOILS—Would the project:				
a. Expose people or structures to potential substantial adverse effects, including the risk of loss, injury, or death involving:				
1) Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other substantial evidence of a known fault? (Refer to Division of Mines and Geology Special Publication 42.)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2) Strong seismic ground shaking?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3) Seismic-related ground failure, including liquefaction?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant	No Impact
4) Landslides?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b. Result in substantial soil erosion or the loss of topsoil?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c. Be located on a geologic unit or soil that is unstable, or that would become unstable as a result of the project, and potentially result in onsite or off-site landslide, lateral spreading, subsidence, liquefaction, or collapse?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d. Be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1994) creating substantial risks to life or property?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
e. Have soils incapable of adequately supporting the use of septic tanks or alternative wastewater disposal systems where sewers are not available for the disposal of wastewater?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

a) **Would the project expose people or structures to potential substantial adverse effects, including the risk of loss, injury, or death involving;**

1) ***Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other substantial evidence of a known fault? (Refer to Division of Mines and Geology Special Publication 42)***

Project Impacts: Less-Than-Significant Impact. A significant impact would occur if the proposed project caused personal injury or death or resulted in property damage as a result of a fault rupture occurring on the project site. The following is a summary of the findings provided in a site specific geotechnical investigation prepared for the site. Refer to **Appendix B** to this Initial Study for a complete copy of the report.

The project site is located in a seismically active area, as is the majority of Southern California. The numerous faults in Southern California include active, potentially active, and inactive faults. As defined by the California Geological Survey (CGS), active faults are faults that have ruptured within Holocene time, or within approximately the last 11,000 years. Potentially active faults are those that show evidence of movement during Quaternary time (approximately the last 1.6 million years) but for which evidence of Holocene movement has not been established. Inactive faults have not ruptured in the last approximately 1.6 million years.

According to the Table 4 (Cities and Counties Affected by Earthquake Fault Zones as of January 2010) published in the 2010 revision of Special Publication 42: Fault-Rupture Hazard Zones in California, the City of Los Angeles is located within a currently designated State of California Earthquake Fault Zone and an Alquist-Priolo Earthquake Zone. Therefore, the proposed project site is located within a seismically active area and would be subject to intense ground motion during a significant seismic event.

The *Preliminary Geotechnical Study Report* included a series of recommendations intended to increase the stability and geotechnical safety of the proposed project site. These recommendations will be incorporated into the proposed project. Further, the proposed project would be required to comply with

the provisions of the 2010 California Building Code (CBC) and the requirements of the Division of the State Architect (DSA) that includes stringent seismic standards required by the Field Act. Conformance with the seismic safety provisions of the most current requirements of the CBC and the DSA would ensure adequate mitigation of the risks associated with faulting within, or proximate to, the proposed project site. Impacts of the proposed project would be less than significant.

2) *Strong seismic ground shaking?*

Project Impacts: Less than Significant with Mitigation Incorporated. A significant impact would occur if the proposed project caused personal injury or death or resulted in property damage as a result of seismic ground shaking. The site would potentially be subject to intense ground motion during a significant seismic event. The largest earthquake induced ground acceleration affecting the site since the year 1900 was approximately 0.2g, from the magnitude 6.7 Northridge earthquake in 1994. Although the project site is located in a seismically active area and may experience high ground acceleration during a seismic event, the proposed project would be designed and constructed in accordance with State and local building codes to reduce the potential for exposure of people or structures to seismic risks to the maximum extent possible.

A detailed geotechnical evaluation, including subsurface exploration and laboratory testing, was performed for the project site in March 2011. The purpose of the geotechnical evaluation was to generate a report for geologic and geotechnical design parameters, consistent with current edition of 2010 California Building Code, Title 24, Chapter 16A – Structural Design, Chapter 18A- Soils and Foundations, Appendix J – Grading, California Geologic Survey-Note 48, Checklist for the Review of Engineering Geology and Seismology Reports for California Public Schools, Hospitals and Essential Services Buildings, and the California Administration Code, Part 1, Title 24, Chapter 4, Section 4-317 (e). The concealed Northridge Blind Thrust Fault, a buried fault modeled below the site, along with other regional blind thrust faults was included as a seismic source for the probabilistic seismic hazard analysis for the site.

Site-specific parameters for seismic design are provided in the Geotechnical report, formulated in general accordance with Chapter 16A, Sections 1613 and 1614 of the 2010 California Building Code. Based on the field exploration, laboratory testing, geologic evaluation and geotechnical analysis, the site is suitable from a geotechnical standpoint for the proposed project. With the implementation of the following mitigation measure and existing building regulations, the proposed project would have a less than significant impact in relation to ground shaking and other seismic risks.

Mitigation Measure GS1: Recommendations and design parameters for earthwork, foundations, pavements, and other pertinent geotechnical design considerations formulated during the geotechnical evaluation and provided in the Geoseismic/Geotechnical Study Report shall be implemented during project design and construction.

3) *Seismic-related ground failure, including liquefaction?*

Project Impacts: Less Than Significant Impact. A significant impact would occur if the proposed project caused personal injury or death or resulted in property damage as a result of liquefaction or other ground failure caused by ground shaking.

Liquefaction is the sudden decrease in the strength of cohesionless soils due to dynamic or cyclic shaking. Saturated soils behave temporarily as a viscous fluid (liquefaction) and, consequently, lose their capacity to support the structures founded on them. The potential for liquefaction decreases with increasing clay and gravel content, but increases as the ground acceleration and duration of shaking increase. Liquefaction potential has been found to be the greatest where the groundwater level and loose sands occur within 50 feet of the ground surface. The site is not located within a mapped Seismic Hazard Zone

for liquefaction (CDMG, 1999) as shown in Drawing No. 7, Seismic Hazard Zones Map. Based on the Geotechnical Study Report, Site specific exploration did not encounter groundwater to a depth of 50.5 feet bgs. Historic high groundwater levels for the subject site presented in the Seismic Hazard Evaluation Report for the San Fernando 7.5-minute Quadrangle (1998) indicate groundwater levels deeper than 100 feet. Based on the results of the subsurface exploration, including the absence of groundwater within 50 feet, it is anticipated that the potential for liquefaction or other seismic-related ground failure to occur at the project site would be less than significant.

4) Landslides?

Project Impacts: Less Than Significant Impact. A significant impact would occur if the project site was located in a hillside area with unstable geological conditions or soil types that would be susceptible to failure when saturated. Seismically induced landslides and other slope failures are common occurrences during or soon after earthquakes. The project site is very flat. The probability of seismically-induced landslides is considered low due to the lack of significant ground slopes at the project site or within the surrounding area. Therefore, the potential for landslides to affect the proposed site would be less than significant.

b) Would the project result in substantial soil erosion or the loss of topsoil?

Project Impacts: Less Than Significant Impact. A significant impact would occur if construction activities or future uses at the project site resulted in substantial soil erosion or loss of topsoil. Project construction requires site disturbance to remove topsoil and prepare the site for development. Therefore, construction and excavation activities on site might lead to wind or water driven erosion of soils. Construction activities on site would occur in compliance with erosion control measures imposed by the City Building Division and Earthwork recommendations provided in the Geotechnical Study Report. In addition, during construction, Best Management Practices, (BMPs) would be implemented consistent with the National Pollutant Discharge Elimination System (NPDES) permit to reduce pollution in stormwater discharge to levels that comply with applicable water quality standards. Therefore, the project would have a less than significant impact on soil erosion or loss of topsoil.

c) Would the project be located on a geologic unit or soil that is unstable, or that would become unstable as a result of the project, and potentially result in on- or off-site landslide, lateral spreading, subsidence, liquefaction or collapse?

Project Impacts: No Impact. A significant impact would occur if the proposed project is located on any unstable geologic unit or soil or caused unstable geological conditions that result in any type of geological failure, including lateral spreading, off-site landslides, lateral spreading, liquefaction, or collapse. Based on the Geotechnical Study Report, the project site is not located within liquefaction or earthquake-induced landslide zones. In addition, the proposed project would not cause unstable conditions that would result in lateral spreading, off-site landslides, lateral spreading, liquefaction, or collapse. The construction phase of the project would only require minimal excavation and grading activities on relatively flat land which would not cause unstable geologic conditions. Therefore, the proposed project would have no impact in relation to unstable soil.

d) Would the project be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1994), creating substantial risk to life or property?

Project Impacts: Less Than Significant Impact. A significant impact would occur if the project was built on expansive soils without proper site preparation or design features to provide adequate foundation support, thus, posing a hazard to life and property. The planned Teen Health Center site is located within the northeastern portion of the San Fernando Valley, a broad sediment filled basin located between the San Gabriel and Santa Monica Mountains, in the Transverse Ranges geomorphic province of California.

The San Fernando Valley is underlain by deep alluvial sediments that have been deposited over time by river and stream channels draining from the surrounding mountains. The alluvial deposits consist primarily of gravels, sands and clays. Review of the Geologic Map of the San Fernando and Van Nuys (North ½) Quadrangles (Dibblee, 1991) indicates that the site is underlain by Holocene-age (last 11,000 years) alluvial deposits (map symbol Qa) derived from the San Gabriel Mountains to the north. The Geotechnical Study Report prepared for the project site indicates that it consists of undocumented fill and native alluvial soils that have a very low expansion potential. Project-construction would be required to comply with the UBC and the Los Angeles County Municipal Code. Compliance with these requirements and due to presence of soils with low expansion potential, it is anticipated that the proposed project would result in less than significant impact in relation to expansive soils.

- e) **Would the project have soils incapable of adequately supporting the use of septic tanks or alternative wastewater disposal systems where sewers are not available for the disposal of wastewater?**

Project Impacts: No Impact. A project would cause a significant impact if adequate wastewater disposal was not available. The project site is located within a densely urbanized area extensively served by sewer infrastructure. The proposed Teen Health Center project would not require the use of septic tanks or alternative wastewater disposal systems with wastewater disposed of in the city's existing sanitary sewer system. Therefore, no impact associated with septic systems and alternative wastewater disposal would occur.

4.7 GREENHOUSE GAS EMISSIONS

	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant	No Impact
4.7 GREENHOUSE GAS EMISSIONS—				
Would the project:				
a. Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b. Conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Local and Regional Climate Action Plans

At this writing, the County of Los Angeles does not have a Climate Action Plan; however the City of Los Angeles does have a Climate Action Plan called *Green LA*. The goal of *Green LA* is to reach CO₂e emissions of 35.2 million tonnes by 2030 (a 35% reduction of Los Angeles' 1990 GHG levels). To accomplish this goal, *Green LA* plans to implement measures in the following areas: Energy, water, transportation, waste, open space, economy, and climate adaptation. In 2004, the City of Los Angeles generated approximately 51.6 million tonnes of CO₂e.²⁵

²⁵ The City of Los Angeles. *Green LA – An Action Plan to Lead the Nation In Fighting Global Warming* (May 2007).

SCAQMD Interim Thresholds

The Public Resources Code, CEQA Guidelines, and the County of Los Angeles do not identify numeric or qualitative thresholds of significance for greenhouse gas emissions. The CEQA Guideline Amendments, adopted in December 2010, state that each lead agency must determine its own significance criteria based on local conditions, data, and guidance from public agencies and other sources. As such, this analysis relies on the SCAQMD's screening level threshold described below. SCAQMD is the regional planning agency that is responsible for attainment of air quality standards in the south coast air basin; the air basin in which the project lies.

The SCAQMD has prepared guidance for evaluating operational and construction impacts of proposed residential, commercial, or mixed use projects, and has adopted an interim threshold of 3,500, 1,400, and 3,000 tonnes of CO₂-equivalent per year,^{26,27} respectively (One tonne, or "metric ton," is equivalent to 1,000 kilograms.). This threshold is designed to "capture" 90 percent of GHG emissions; that is, the threshold is low enough that it applies to the sources of 90 percent of the region's GHG emissions, and is high enough that it excludes most minor sources. The SCAQMD approach considers "direct, indirect, and, to the extent information is available, life cycle emissions during construction and operation; therefore, per SCAQMD guidance, construction emissions should be amortized over the economic life of the project, which is proposed at 30 years.

Considering the clinic's patient base is limited to students of SFHS, Mission Continuation, and McAlister High School ~~for pregnant and parenting teenagers and their dependents~~ rather than the community at large, the proposed project most closely fits the mixed use land use category. This category reflects the limited number of vehicle trips that operation of a school based health clinic generates as compared to a commercial or residential land use. As such, the County of Los Angeles, as Lead Agency for the proposed project, has chosen to select the 3,000-tonne CO₂e per year threshold suggested by SCAQMD for the mixed use land use type.

a) Would the project generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?

Project Impacts: Less Than Significant Impact. Direct source emissions originate from internal combustion (IC) engine exhaust and are emitted from on-road vehicles, off-road vehicles, and construction equipment. In this analysis, construction equipment, worker trips, vendor trips, and delivery trips were considered. GHG emissions were estimated by the same methods as were used for criteria pollutant emissions in **4.3.a**.

Construction

The proposed project will include demolition of existing structures, breakup of existing pavement and replacement with concrete, and erection of new structures. Each construction phase involves the use of a different mix of construction equipment and therefore, has its own distinct GHG emissions characteristics. A schedule of equipment use was set up to determine which equipment would be operated simultaneously. Since detailed design information was not available at the time this document was prepared, construction-related emission estimates were based on the default construction scenario

²⁶ South Coast Air Quality Management District. Interim CEQA GHG Significance Thresholds for Stationary Sources, Rules and Plans. December 5, 2008. Internet URL: <http://www.aqmd.gov/hb/2008/December/081231a.htm>. Last accessed: November 7, 2012.

²⁷ South Coast Air Quality Management District. Minutes for the GHG CEQA Significance Threshold Stakeholder Working Group #15. September 28, 2010. Internet URL: <http://www.aqmd.gov/ceqa/handbook/GHG/2010/sept28mtg/wkgrp15minutes.pdf>. Last accessed: December 20, 2012.

information in CalEEMod.²⁸ Estimates of the types and numbers of pieces of equipment anticipated in each phase of construction and development were based on equipment requirements of similar construction projects. GHG emissions would vary from day to day depending on the intensity and type of construction activity.

Project construction emissions were estimated using the construction module of CalEEMod. Construction of the proposed project was estimated to begin January 2013, and expected to last for one year. The construction equipment GHG emissions were modeled using CalEEMod and CalEEMod's default values for horsepower and load factors, which are from the CARB's OFFROAD2007 model.

For indirect source emissions, assuming the air compressor used in the architectural coating phase of the proposed project is not electric-powered, there will be no indirect source emissions of GHG.

Operations

GHG emissions from space heating with natural gas were modeled with CalEEMod, assuming the "hospital" land use, which most closely fits the description of the facility. The default factors for Title 24 natural gas standards were used.

Solid waste disposal into landfills creates CO₂ and CH₄ emissions over a span of years. The emissions from solid waste were calculated using CalEEMod, which models the GHG emissions based on the Intergovernmental Panel on Climate Change's (IPCC) methods for quantifying GHG emissions from solid waste.²⁹

Calculation of indirect GHG emissions for water use was based on the electricity needed to supply and distribute water. The factors for electricity are based on Title 24, non-Title 24, and lighting standards from the California Energy Commission (CEC). CalEEMod assumes defaults based on the project location, climate zone, and energy provider. All the default values were used. In addition to GHG emissions based on water supply and distribution, water/wastewater processing based on electricity consumption contributes to the emissions. Again, CalEEMod was used to model the GHG emissions from water/wastewater treatment.

The maximum annual GHG emissions were determined to be in 2014 because of an overlap between construction and operational emissions. A detailed breakdown of the maximum results of the GHG emissions analysis can be found in **Table 4.7-1, Annual GHG Emissions, 2014**.

²⁸ California Emissions Estimator Model (CalEEMod), Users Guide, Version 2011.1 Appendix D Default Tables. Prepared by ENVIRON International Corporation, Emeryville, California, for the South Coast Air Quality Management District, Diamond Bar, California (February 2011).

²⁹ IPCC, 2006 IPCC Guidelines for National Greenhouse Gas Inventories, Volume 5 Waste, (2006).

**Table 4.7-1
Annual GHG Emissions, 2014**

Annual Emissions in 2014 (tonnes)	
Emission Source	CO₂e
Area	7.43
Energy	57.18
Mobile	373.59
Waste	27.02
Water	3.67
<i>Subtotal</i>	<i>461.46</i>
Amortized Construction ^a	7.43
Total	468.89
SCAQMD Mixed Use Threshold	3,000.00
Note: Proposed project is expected to open in 2014.	
^a Amortized over 30 years per SCAQMD Interim CEQA GHG Significance Threshold.	
-	
Source: UltraSystems Environmental Inc. with CalEEMod (Version 2011.1)	

As shown in **Table 4.7-1**, predicted maximum annual emissions for CO₂e would be 468.90 tonnes, which is less than the 3,000-tonne SCAQMD interim threshold for mixed use projects as well as the 1,400 tonnes of CO₂e per year threshold established by the SCAQMD for commercial projects. Although the project is neither fully commercial, nor completely considered mixed-use, the proposed project's maximum annual GHG emissions would be less than the SCAQMD thresholds for both project types. Additionally, siting the project on the grounds of an existing school campus whose students the proposed project is intending to serve is consistent with the City's goal to reduce carbon emissions because the location would lessen the number and/or length of vehicle trips. The project would also be constructed to meet the latest building energy efficiency standards. For these reasons, project construction and operation would emit less than the SCAQMD interim threshold; thus, impacts on the environment from GHG emissions generated from the proposed project would be less than significant.

b) Would the project conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases?

Project Impacts: Less Than Significant Impact. In response to AB 32, the County Board of Supervisors adopted the countywide Energy and Environmental Policy (Policy No. 3.045) effective December 19, 2006, and amended on August 8, 2008, in order to provide guidelines on developing and implementing energy conservation and environmental programs within the County. Policy No. 3.045 states that the County will establish and maintain an Energy and Environmental Program targeted at reducing greenhouse gas production due to County operations. Additionally, the County will continue to incorporate sustainable, "green building" technologies into the design of new capital improvements and major refurbishment projects.

As previously discussed, the proposed SCAQMD interim thresholds are designed such that a 90 percent capture rate is achieved. In other words, 90 percent of all development projects would need to incorporate some form of emission reductions in order to reduce emissions to meet AB 32's threshold of reducing GHG emissions to 1990 levels by 2020. Thus, these thresholds are established to be compliant with the AB 32 threshold.

As described above in 4.7a, the proposed project is well below the SCAQMD interim threshold and therefore would not conflict with the goals of AB 32 and Policy No. 3.045. Because the proposed project is below the SCAQMD threshold and would comply with all regulatory requirements related to GHG emissions, the proposed project would not conflict with plans, policies or regulations adopted to reduce emissions of greenhouse gases; therefore, the impacts will be less than significant.

4.8 HAZARDS AND HAZARDOUS MATERIALS

	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant	No Impact
4.8 HAZARDS AND HAZARDOUS MATERIALS—				
Would the project:				
a. Create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b. Create a significant hazard to the public or the environment through the reasonably foreseeable upset and accident conditions involving the likely release of hazardous materials into the environment?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c. Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d. Be located on a site, which is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, would it create a significant hazard to the public or the environment?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
e. For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project result in a safety hazard for people residing or working in the project area?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
f. For a project within the vicinity of a private airstrip, would the project result in a safety hazard for people residing or working in the project area?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
g. Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
h. Expose people or structures to the risk of loss, injury or death involving wildland fires, including where wildlands are adjacent to urbanized areas or where residences are intermixed with wildlands?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

a) Would the project create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials?

Project Impact: Less Than Significant Impact. A significant impact would occur if the proposed project required the routine transfer, use, or disposal of hazardous materials. The severity of potential effects varies with the activity conducted, the concentration of and type of hazardous material or wastes present, and the proximity of sensitive receptors to these materials. Hazardous materials regulations were established at the state level to ensure compliance with federal regulations intended to reduce the risk to human health and the environment from the routine use of hazardous substances. Hazardous materials associated with the proposed project would consist mostly of construction-related equipment and materials. Use and/or storage of hazardous materials at the proposed project site would consist of hazardous materials in the form of paints, solvents, cleaning products, fuels, lubricants, adhesives, sealers, and pesticides/herbicides as well as bio-hazardous materials such as sharps and other medical waste.

Transportation

The USDOT Office of Hazardous Materials Safety prescribes strict regulations for the safe transportation of hazardous materials, as described in Titles 40, 42, 45, and 49 of the Code of Federal Regulations (CFR), and implemented by Titles 17, 19, and 27 of the CCR.

Transportation of hazardous materials can result in accidental spills, leaks, toxic releases, fire, or explosion. During the construction phase, hazardous materials in the form of solvents, glues, and other common construction materials containing toxic substances may be transported to the site, and construction waste that possibly contains hazardous materials could be transported off-site for purposes of disposal. During operation, hazardous materials in the form of paints, solvents, cleaning products, fuels, lubricants, adhesives, sealers, and pesticides/herbicides may be transported to the site, and could be transported off-site for purposes of disposal. In addition, due to the nature of the proposed clinic, bio-hazardous materials and medical wastes could be transported on and off site. Appropriate documentation for all hazardous waste that is transported off site in connection with activities at the project site would be provided as required to ensure compliance with the existing hazardous materials regulations described above. Adherence to these regulations, which requires compliance with all applicable federal and state laws related to the transportation of hazardous materials, would reduce the likelihood and severity of accidents that might occur during transit. Impacts would be less than significant, and no mitigation is required.

Use and Storage

Operation of the proposed project would involve the limited use and storage of common hazardous substances typical of those used to maintain health care facilities. Hazardous materials expected for occasional use could include limited quantities of custodial products, pesticides, and other landscaping supplies. To ensure that workers and others at the proposed project site are not exposed to unacceptable levels of risk associated with the use and handling of hazardous materials, employers and businesses are required to implement existing hazardous materials regulations, with compliance monitored by state (e.g., OSHA in the workplace or DTSC for hazardous waste) and local jurisdictions (e.g., the Los Angeles Fire Department). Compliance with existing safety standards related to the handling, use, and storage of hazardous materials, and compliance with the safety procedures mandated by applicable federal, state, and local laws and regulations (RCRA, California Hazardous Waste Control Law, and principles prescribed by the California Department of Health Services, Centers for Disease Control and Prevention, and National Institutes of Health) is mandated. Therefore, compliance with applicable regulations would reduce the risk of project-induced upset from hazardous materials to a less-than-significant level. No mitigation is required.

- b) **Would the project create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment?**

Project Impacts: Less Than Significant Impact. A significant impact would occur if the proposed project created a significant hazard to the public or environment due to a reasonably foreseeable release of hazardous materials. Construction of the proposed project on site would involve the use of potentially hazardous materials, including vehicle/equipment fuels, oils, and transmission fluids. However, all hazardous materials would be contained, stored, and used in accordance with manufacturers' instructions and handled in compliance with applicable standards and regulations. Also, none of these materials are considered to be acutely hazardous. Operation of the proposed project would involve the limited use and storage of common hazardous substances typical of those used to maintain health care facilities. Hazardous materials expected for occasional use could include limited quantities of custodial products, pesticides, and other landscaping supplies. None of these materials are considered acutely hazardous materials. No industrial uses or activities are proposed on site that would result in the use or discharge of unregulated hazardous materials and/or substances, or create a public hazard through transport, use, or disposal. The proposed project would not significantly increase the risk of reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment over existing conditions. Therefore, the proposed project would have a less than significant impact on reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment.

Project operation would also generate bio-waste requiring special handling and disposal. Please refer to the response to checklist question XVII (g) for analysis of this issue.

- c) **Would the project emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?**

Project Impacts: Less Than Significant. A potentially significant impact would occur if the release of hazardous materials from the proposed project were to occur within one-quarter mile of an existing or proposed school. The proposed project site is located within the campus of the SFHS. Other schools in proximity to the proposed project site include the Mission School, located at 11015 O'Melveny Avenue (within 100 yards) and the McAlister High School ~~for pregnant and parenting teenagers~~, located at 11011 O'Melveny Avenue. Operation of the proposed project would involve the limited use and handling of common hazardous substances typical of those used in health care facilities. Hazardous materials expected for occasional use could include limited quantities of custodial products, pesticides, and other landscaping supplies. Construction activities on site would be short-term and one-time in nature and would involve limited transport, storage, use and disposal of hazardous materials. However, fueling and servicing of construction equipment would not take place on the project site. Materials used in construction are not acutely hazardous, and all storage, handling, and disposal of these materials are regulated by the Department of Toxic Substances Control (DTSC), the United States Environmental Protection Agency (USEPA), and the Occupational Safety and Health Administration (OSHA). Adherence to the regulations set forth by these organizations would reduce hazardous emissions impacts from construction to less than significant.

- d). **Would the project be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, would it create a significant hazard to the public or the environment?**

Project Impacts: Less Than Significant Impact with Implementation of Mitigation. A potentially significant impact would occur if the project site is listed pursuant to Government Code Section 65962.5 on a list of hazardous materials sites. The following is a summary of the conclusions and

recommendations from the Phase 1 and 2 Environmental Site Assessments covering the project site. Please refer to **Appendix C** of this Initial Study for complete copies of these reports.

Site History and Setting

A variety of uses have occurred on the site over the years. Based on a review of aerial photos conducted during the Phase I Environmental Site Assessment, previous uses included agricultural cultivation in the 1920s, residential uses in the 1930s, and by 1952 the property was developed as part of SFHS. Since that time, campus uses for the site have largely involved storage for garden equipment, a poultry house, and agricultural unit. Existing structures found on the project site include a metal storage trailer, two storage buildings, and a concrete compost bin. No hazardous materials storage was observed on site during a field reconnaissance and the site itself is not listed in an environmental database.

The San Fernando Valley, Area 1 NPL site is located within a one-mile radius of the Property. Groundwater underlying this area has been identified by the EPA as contaminated from PCE, TCE, carbon tetrachloride, and chloroform. Investigations and remedial work are overseen by the EPA. Existing and former uses on the project site have not been identified as a Potentially Responsible Party.

On-Site Soils

New school acquisition and construction projects that receive funds from the State of California must undergo a specific hazardous materials review process under the direction of the DTSC pursuant to Education Code §17213(b) and (c) or Public Resources Code §21151.8(a)(2). Projects exempt from CEQA, and those that do not involve State funds, do not require DTSC oversight. In those cases, the LAUSD OEHS oversees the environmental review of proposed acquisition and construction projects. Projects involving additions to existing school sites are not subject to Education Code §17213(b) and (c) or PRC §21151.8(a)(2). For these projects, the LAUSD would undertake assessments on these school facilities if there were evidence that such issues may be of concern based on preliminary site investigations.³⁰

As the proposed project is not funded by the State, it would not be subject to the hazardous materials review process led by the DTSC and described above. Rather, the project is subject to oversight by the LAUSD OEHS. Soil sampling and testing conducted as part of a Phase II Environmental Site Assessment was undertaken to determine the presence of contaminants consistent with District Policy. Testing was conducted in general accordance with the DTSC *Interim Guidance for Evaluation of School Sites with Potential Soil Contamination as a Result of Lead from Lead-Based Paint, Organochlorine Pesticides from Termiticides, and Polychlorinated Biphenyls from Electrical Transformers* (DTSC, 2006).

The test results detected levels of arsenic, pesticides, and lead above their respective health-risk California Human Health Screening Level (CHHSL) value. Refer to **Figure 2-4 Lateral and Vertical Extent of Contamination** contained in **Chapter 2.0 (Project Description)** for the location of soil contamination. The maximum arsenic concentration of 12.7 mg/kg from 0.5 feet bgs exceeds the DTSC background level of 12 mg/kg. The maximum lead concentration of 498 mg/kg in the 0.5 feet bgs samples exceeded the CHHSL-r value of 80 mg/kg. Subsequent testing conducted to determine the maximum extent of the contamination found lead at levels as high as 788 mg/kg. One sample also identified pesticide residue above the CHHSL values. The highest concentration of 4,4- DDT (1.97 mg/kg) was detected in soil sample B6 at 0.5 feet below ground surface. This was the only sample with OCPs reported above the CHHSL.

³⁰ LAUSD New School Construction Program, Draft Program EIR, 3-08 Hazards. Los Angeles California (March 2004).

If not remediated prior to construction, workers and students may be exposed to contaminants that can cause significant human health effects. For example, lead is a bio-accumulative substance and a reproductive and developmental toxin. Lead can impair the nervous system, affecting hearing, vision, and muscle control. It is toxic to lungs, kidneys, blood, and the heart. Arsenic can be found as both an organic and inorganic odorless solid. Exposures through inhalation, skin absorption, skin and or eye contact, and ingestion negatively affect humans. Arsenic most commonly target organs such as the liver, kidneys, lungs, and lymphatic system. The pesticide 4,4'-DDT was a widely used to control insects in agriculture and insects that carry diseases such as malaria. Its use in the United States was banned in 1972 because of damage to wildlife. The chemical 4,4'-DDE is a breakdown product of 4,4'-DDT. The USEPA has classified both 4,4'-DDT and 4,4'-DDE as a group B2, probable human carcinogen.

As part of project design, a remedial program was prepared in cooperation with the LAUSD Office of Environmental Health and Safety (OEHS). The program identifies the method of treatment as excavation and transport of approximately 74 cubic yards of soil to a permitted off-site location for disposal. Several Class 1 and 2 landfills are fully permitted and licensed to accept contaminated soil in the state of California including Kettleman Hills Landfill in Kings County, Safety Kleen/Laidlaw Landfill in Imperial County, and Foothill Sanitary Landfill (Treatment Site) in Kings County, among others³¹. The specific disposal location would be determined based on economic considerations such as transportation costs and landfill fees. The remedial actions undertaken as part of project design and construction would ensure that the potential for exposure to contaminated soils would be less than significant.

With regard to documented groundwater contamination, the proposed structure is single story and would utilize slab on grade foundation. No underground parking or other subterranean structures are proposed and excavation would be limited to trenching for utilities and the slab foundation. According to the project geotechnical study, groundwater is found below a depth of 50.5 feet, and historic high groundwater level is deeper than 100 feet below existing ground surface. Excavation for soil remediation, trenching for utilities and excavation for structural foundations would not extend to this depth so construction would not intercept the water table. Therefore, no significant impact would occur.

The property is also located within a Methane Zone according to the City of Los Angeles Zone Information and Map Access System (ZIMAS). Section 91.106.4.1 of the Los Angeles Municipal Code established citywide methane mitigation requirements and construction standards to control methane intrusion into buildings. The ordinance gives the Department of Building and Safety the authority to withhold permits on projects located within a Methane Zone or Methane Buffer Zone. Permits may be issued upon submittal of detailed plans that show adequate protection against flammable gas incursion by providing the installation of suitable methane mitigation systems.

To address this potential hazard, an on-site soil gas survey was conducted to determine the presence or absence of methane and hydrogen sulfide on the property.³² A total of four (4) soil vapor wells were installed to a depth of between 5 to 20 feet bgs and soil gas probes set in place. Results of the testing are presented below in Table 4.8-1.

³¹ Waste Acceptance List for Land Disposal Facilities, State Water Resources Control Board.

³² Alta Environmental, Soil Gas Survey for Methane and Hydrogen Sulfide Report for San Fernando Teen Center, December 2012.

Table 4.8-1
Soil Vapor Test Results

Vapor Probe	Probe Depth (Feet)	Vapor Pressure (inches of H ₂ O)	Methane (% LEL)	H ₂ S (ppm)
SV1-5	5	0	0	0
SV1-10	10	0	0	0
SV1-20	20	0	0	0
SV2-5	5	0	0	0
SV3-5	5	0	0	0
SV4-5	5	0	0	0
SV4-10	10	0	0	0
SV4-20	20	0	0	0

%LEL = Percent Lower Explosive Limit

ppm= Concentration in parts per million

As shown, on-site soil vapor monitoring indicate that methane and hydrogen sulfide were not detected from soil vapor wells SV1 and SV4 at all depths (5, 10, and 20 feet bgs) or from SV2 and SV3 at the depth of 5 feet bgs. Therefore, the maximum methane concentration measured was less than the 1,000 ppmv threshold above which the DTSC advises further investigation be conducted or precautionary measures to be incorporated in the building design to protect against methane hazards. Based on the testing results, no significant impact to human health would occur as a result of soil gas vapors.

- e) **For a project located within an airport land use plan, or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project result in a safety hazard for people residing or working in the project area?**

Project Impacts: No Impact. A potentially significant impact would occur if the proposed project exposed persons receiving services or working at the project to risks associated with operation of an airport. The fundamental concern in achieving airport land use compatibility involves safety in the air and on the ground within the vicinity of the airport. The primary ground strategy is to limit the intensity of use by limiting residential and non-residential densities and activities that attract people in locations most susceptible to an off-airport aircraft accident. The primary strategy in the air is to prevent the intrusion of an airport's airspace by the erection of structures that penetrate the imaginary surfaces that encircle an airport.

The closest public airport is Whiteman Airport, located approximately 1.5 miles southeast of the site. The 2004 LA County Airport Land Use Plan is the fundamental document covering airport land use compatibility. Review of this document indicates the project site does not lie within the airport influence area, so it is beyond the imaginary air space, runway takeoff, or landing zones for this airport.³³ Therefore, construction and operation of the proposed project would not expose people to safety hazard from airport activity.

- f) **For a project within the vicinity of a private airstrip, would the project result in a safety hazard for people residing or working in the project area?**

Project Impacts: No Impact. A potentially significant impact would occur if the proposed project exposed persons residing or working in the project areas to risks associated with the proximity of a

³³ Los Angeles County Airport Land Use Commission, *Los Angeles County Airport Land Use Commission, Comprehensive Land Use Plan* (December), http://planning.lacounty.gov/assets/upl/data/pd_alup.pdf (accessed October 5, 2012).

private airstrip. A private airstrip or private airport can be defined as a facility used for operations of privately owned aircrafts and such facilities are not open for use by commercial air traffic. The project site is not located in the vicinity of a private airstrip. Project construction and operation at the proposed site would not result in airstrip related safety hazards for people working in the project area. Therefore, the proposed project would have no impact in relation to private airstrip activity.

g) Would the project impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?

Project Impacts: Less Than Significant Impact. A significant impact would occur if the proposed project impaired the implementation of an emergency response or evacuation plan or blockage of an emergency route. During construction, trenching of utilities would require temporary closure of Chamberlain Street. The Arleta Pacoima Community plan designates Chamberlain Street as a collector that extends between Remick Avenue, one block south and Kewen Avenue, two blocks north of the project site. Pursuant to a conditional use permit, Chamberlain Street is currently closed during school hours, from 7:30 am until 4 pm. Therefore, Chamberlain Street is not an adopted evacuation route.

During construction, the contractor would prepare and submit a construction traffic management plan to the Los Angeles County Department of Public Works to ensure circulation is maintained. Typically measures included in these plans are items like leaving one lane open in each direction, provision of construction signs, flagmen, and adequate construction lighting. All other construction activity would be contained within the project site and would not impede public access or travel upon public right-of-way. Therefore, the project would not interfere with an adopted emergency response plan or emergency evacuation plan and impacts would be less than significant.

h) Would the project expose people or structures to a significant risk of loss, injury, or death involving wildland fires, including where wildlands are adjacent to urbanized areas or where residences are intermixed with wildlands?

Project Impacts: No Impact. A potentially significant impact would occur if the proposed project exposed people and structures to high risk of wildfire. The project site is located in an intensely developed urban area. Furthermore, the project site is not located in a Very High Fire Hazard Severity Zone.³⁴ The proposed project would not subject people or structures to a significant risk of loss, injury, or death as a result of exposure to wildland fires. Therefore, no impact related to exposure of persons or property to wildland fires would be expected.

4.9 HYDROLOGY AND WATER QUALITY

	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant	No Impact
4.9 HYDROLOGY AND WATER QUALITY—Would the project:				
a. Violate any water quality standards or waste discharge requirements?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b. Substantially deplete groundwater supplies or interfere				

³⁴ County of Los Angeles. Department of Regional Planning. *Los Angeles County Draft Preliminary General Plan 2007. Figure 7.3 – Very High Fire Hazard Severity Zone.*

	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant	No Impact
substantially with groundwater recharge such that there would be a net deficit in aquifer volume or a lowering of the local groundwater table level (i.e., the production rate of pre-existing nearby wells would drop to a level which would not support existing land uses or planned uses for which permits have been granted)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c. Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, in a manner, which would result in substantial erosion or siltation on- or off-site?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d. Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, or substantially increase the rate or amount of surface runoff in a manner, which would result in flooding on- or off-site?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
e. Create or contribute runoff water which would exceed the capacity of existing or planned stormwater drainage systems to provide substantial additional sources of polluted runoff?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
f. Otherwise substantially degrade water quality?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
g. Place housing within a 100-year floodplain, as mapped on a federal Flood Hazard Boundary or Flood Insurance Rate Map or other flood hazard delineation map?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
h. Place within a 100-year floodplain structures that would impede or redirect flood flows?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
i. Expose people or structures to a significant risk of loss, injury or death involving flooding, including flooding as a result of the failure of a levee or dam?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
j. Inundation by seiche, tsunami, or mudflow?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

a) Would the project violate any water quality standards or waste discharge requirements?

Project Impacts: Less Than Significant Impact. A significant impact would occur if the proposed project violated any water quality or waste discharge requirements. Water quality in Los Angeles County is regulated by the Regional Water Quality Control Board's Los Angeles Basin Plan, which contains water quality standards and identifies beneficial uses for receiving waters (e.g., wildlife habitat, agricultural supply, fishing, etc.) along with water quality criteria necessary to support these uses consistent with Federal and State water quality laws. Water quality criteria are prescribed concentrations or levels of constituents-such as lead, suspended sediment, and fecal coliform bacteria-or narrative statements which represent the quality of water that support a particular use. Two specific programs are pertinent to the construction and operation of the project as it relates to water quality. Each is described below:

- **Stormwater Quality Management Program (SWQMP)** - Los Angeles County has produced a SWQMP to provide planning guidance and prescribe control measures that are

intended to regulate and mitigate stormwater quality and quantity impacts to receiving waters in Los Angeles County, which falls within the Los Angeles Basin Plan.

- **Standard Urban Stormwater Mitigation Plan (SUSMP)** – Los Angeles County has produced the SUSMP to address water pollution from new construction and redevelopment. The SUSMP contains a list of minimum BMPs that must be employed to infiltrate or treat stormwater runoff, control peak flow discharge and reduce post-project discharge of pollutants from stormwater into receiving waters in the Los Angeles Basin Plan.

Project-related construction activities on site have the potential to result in adverse effects on surface water quality as the result of minor soil erosion, subsequent siltation and conveyance of other pollutants into municipal storm drains during project construction. However, the construction contractor would utilize Best Management Practices (BMPs) such as erosion control measures, restrictions on construction vehicle maintenance, good site keeping practices consistent with the SQWMP, to reduce pollution in stormwater discharge to levels that comply with applicable water quality standards. Compliance with the requirements of the SWQMP and SUSMP would ensure that each individual development constructed in the Basin would not contribute concentrations of pollutants that would be expected to cause or contribute to a violation of a water quality standard and would maintain the beneficial uses of recipient water bodies and impacts would be less than significant.

b) Would the project substantially deplete groundwater supplies or interfere substantially with groundwater recharge such that there would be a net deficit in aquifer volume or a lowering of the local groundwater table level (e.g., the production rate of pre-existing nearby wells would drop to a level which would not support existing land uses or planned uses for which permits have been granted)?

Project Impacts: Less Than Significant Impact. A significant impact would occur if the proposed project would substantially deplete the groundwater basin or interfere with groundwater recharge. The project site lies within the San Fernando Valley Groundwater Basin. The basin is bounded on the north and northwest by the Santa Susana Mountains, on the north and northeast by the San Gabriel Mountains, on the east by the San Rafael Hills, on the south by the Santa Monica Mountains and Chalk Hills, and on the west by the Simi Hills. The total storage capacity of the San Fernando Valley Groundwater Basin is calculated at 3,670,000 acre feet (af). Recharge of the basin is from a variety of sources. Spreading of imported water and runoff occurs in the Pacoima, Tujunga, and Hansen Spreading Grounds. Water flowing in surface washes infiltrates, particularly in the eastern portion of the basin. The Basin was adjudicated in 1979, and is managed by the Upper Los Angeles River Area Watermaster. Water levels have been fairly stable over about the past 20 years, since adjudication of the basin.³⁵

Project construction and operation would not interfere with groundwater recharge or substantially deplete groundwater supplies. The project site and surrounding are paved with impervious surface and are not a source for groundwater recharge. This condition would remain unchanged as a result of the project. Therefore, project construction and operation would not significantly impact groundwater recharge.

Potable water to the site would be supplied by multiple sources. Please refer to checklist response 4.17, Utilities and Service Systems, for more information. Use of multiple sources of water supply combined with oversight provided by the Upper Los Angeles River Area Water Master would ensure that groundwater levels are maintained to support existing uses. Therefore, project construction and operation would not significantly impact groundwater levels.

³⁵ California Department of Water Resources, California Groundwater Bulletin 118, San Fernando Valley Groundwater Basin, Last Updated 2/27/2004.

- c) **Would the project substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, in a manner, which would result in substantial erosion or siltation onsite or off-site?**

Project Impacts: Less Than Significant Impact. A significant impact would occur if the proposed project substantially altered the drainage pattern of an existing stream or river so that erosion or siltation would result. The project site is located in the Los Angeles River Watershed, which covers over 830 square miles. The watershed includes the western portion of the San Gabriel Mountains, the Santa Susana Mountains, the Verdugo Hills, and the northern slope of the Santa Monica Mountains. The river flows from the headwaters in the western San Fernando Valley and outlets in San Pedro Bay near Long Beach. The river crosses the San Fernando Valley and the central portion of the Los Angeles Basin. The watershed terrain consists of mountains, foothills, valleys, and the coastal plain.

Major tributaries of the Los Angeles River include Burbank Western Channel, Pacoima Wash, Tujunga Wash, and Verdugo Wash in the San Fernando Valley; and the Arroyo Seco, Compton Creek, and Rio Hondo in the Los Angeles Basin. Much of this tributary network has been lined with concrete to meet flood control needs. This drainage network has been designed to meet Urban Flood level of protection, which represents runoff from a 25-year frequency design storm falling on a saturated watershed. A 25-year frequency design storm has a probability of 1/25 of being equaled or exceeded in any year.³⁶

The project site is flat, paved with asphalt, and developed with three structures. The closest waterway is the Pacoima Wash, which is approximately 800 feet south of the site. Existing site runoff sheet flows to a network of curb and gutters where it is collected and conveyed to the improved storm drain system. Project design would retain existing drainage patterns on site with surface water runoff discharging into the existing drainage network. Given that the site is currently paved with asphalt, placement of a medical clinic on the site would not substantially increase runoff volumes over existing conditions such that an increase in velocity would occur. Moreover, the drainage system is largely concrete lined to avoid scour and transport runoff quickly away from urban areas. For these reasons, the project would not cause significant scour or soil erosion along downstream drainages.

- d) **Would the project substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, or substantially increase the rate or amount of surface runoff in a manner which would result in flooding onsite or off-site?**

Project Impacts: Less Than Significant Impact. Refer to checklist response c (above). The proposed project would retain existing drainage patterns and stormwater runoff volumes would be roughly equal to existing stormwater runoff volumes, given that the site is currently paved with asphalt. Project runoff would be collected and conveyed to the existing drainage network that has been designed to meet Urban Flood level of protection. Therefore, the proposed project would result in a less-than-significant impact on drainage and flooding.

- e) **Would the project create or contribute runoff water which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff?**

Project Impacts: Less Than Significant Impact. Refer to checklist response c and d (above). The proposed project would retain existing drainage patterns and stormwater runoff volumes would be roughly equal given that the site is currently paved with asphalt. Construction of the proposed project would not lead to any additional sources of polluted runoff. Project construction and operation would be subject to the requirements of the SWQMP and SUSMP to ensure the quality of runoff and maintain

³⁶ Los Angeles County Department of Public Works, Water Resources Division, Hydrology Manual, January 2006.

beneficial uses in the watershed. Therefore, the proposed project would have a less than significant impact on existing storm drain capacity or water quality.

f) Would the project otherwise substantially degrade water quality?

Project Impacts: No Impact. The proposed project would have no additional impacts to water quality beyond those discussed in the preceding sections. With adherence to the requirements of the SWQMP and SUSMP prepared as part of the County's National Pollutant Discharge Elimination System (NPDES) permit, the proposed project would not be a source of additional polluted runoff that would substantially degrade water quality. Therefore, no adverse impacts would occur.

g) Would the project place housing within a 100-year flood hazard area as mapped on a federal Flood Hazard Boundary or Flood Insurance Rate Map or other flood hazard delineation map?

Project Impacts: No Impact. A potentially significant impact would occur if the project site was located within a 100-year floodplain. According to the County of Los Angeles Department of Regional Planning's Safety Element,³⁷ the project site is not located in a flood hazard zone. Furthermore, the proposed project represents a school based teen health center that would not include a housing component or otherwise increase the resident population within the City. Therefore, the proposed project would have no impact in relation to any existing 100-year floodplains.

h) Would the project place within a 100-year flood hazard area structures, which would impede or redirect flood flows?

Project Impacts: No Impact. A potentially significant impact would occur if the proposed project would impede or redirect flood flows within a 100-year flood hazard area. According to the County of Los Angeles Department of Regional Planning's Safety Element,³⁸ the project site is not located in a flood hazard zone. Therefore, the proposed development would not impede or redirect flood flows within a 100-year flood hazard area, and no impact would result.

i) Would the project expose people or structures to a significant risk of loss, injury or death involving flooding, including flooding as a result of the failure of a levee or dam?

Project Impacts: Less Than Significant Impact. A potentially significant impact would occur if the proposed project were located within an area susceptible to flooding. According to the County of Los Angeles Department of Regional Planning's Safety Element, the project site is not located in a flood hazard or dam inundation zone. Therefore, no impacts are anticipated.

j) Would the project be subject to inundation by seiche, tsunami, or mudflow?

Project Impacts: No Impact. A potentially significant impact would occur if the proposed project exposed persons or structures to an area susceptible to inundation by seiche, tsunami, or mudflow.

Seiche. A seiche is an oscillation of a land-locked water body, such as a lake. The project site is not situated near a land-locked water body.

Tsunami. A tsunami is a large ocean wave associated with a seismic event. The project site is located approximately 20 miles inland from the Pacific Ocean.

³⁷ County of Los Angeles. Department of Regional Planning. *County of Los Angeles Draft Preliminary General Plan 2007*. Figure 7.2 -Flood Zones. Page 159.

³⁸ Ibid.

Mudflow. The risk of inundation by mudflow is related to the risk from inundation by landslide. The project is proposed on a level site and is not susceptible to any landslides.

As discussed above, the project site is not located within a dam inundation zone or a flood hazard zone. Furthermore, the project site is not located within an area considered to be susceptible to tsunamis or seiche inundation. The project site is located more than 20 miles from the Pacific Ocean. In addition, the project site is not located within hilly areas or positioned downslope from any unprotected slopes or landslide areas and is not positioned in any area of potential mudflow. Therefore, the project would not expose people or structures to inundation by seiche, tsunami, or mudflow and no impacts would occur.

4.10 LAND USE AND PLANNING

	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant	No Impact
4.10. LAND USE AND PLANNING —Would the project:				
a. Physically divide an established community?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b. Conflict with any applicable land use plan, policy, or regulation of an agency with jurisdiction over the project (including, but not limited to the general plan, specific plan, local coastal program, or zoning ordinance) adopted for the purpose of avoiding or mitigating an environmental effect?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c. Conflict with any applicable habitat conservation plan or natural communities conservation plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

a) Would the project physically divide an established community?

Project Impacts: No Impact. A significant impact would occur if the proposed project were sufficiently large or configured in such a way as to create a physical barrier within an established community. The proposed project is located within the Arleta-Pacoima Community Plan area and designated as PF-Public Facilities on the General Plan Land Use Map. The proposed project would expand the SFHS facilities and provide much needed health care access to address health status disparities of more than 3,000 low-income students. The project site is located in a highly urbanized area, surrounded by single- and multi-family residential and public facility land uses. The proposed project would not alter the existing street grid surrounding the project site or surrounding area. Furthermore, no residential uses would be displaced by project-related activities. The physical arrangement of the surrounding community would not be modified or divided. Therefore, the proposed project would not physically divide an established community.

b) Would the project conflict with any applicable land use plan, policy, or regulation of an agency with jurisdiction over the project (including, but not limited to the general plan, specific plan, local coastal program, or zoning ordinance) adopted for the purpose of avoiding or mitigating an environmental effect?

Project Impacts: No Impact. A significant impact would occur if a project is inconsistent with the General Plan or zoning designations currently applicable to the project site and would cause adverse

environmental effects which the General Plan and zoning ordinance are designed to avoid and mitigate. As mentioned in the previous response, the proposed project is located within the Arleta-Pacoima Community Plan area and designated as PF-Public Facilities on the General Plan Land Use Map. The proposed project includes the construction of a school based Teen Health Center on a site located within the campus of the SFHS. According to the Community Plan, dual use of school facilities for the general public is encouraged. The proposed project is consistent with the policies of the General Plan and located within a consistent land use designation. Therefore, no impacts would occur.

c) Would the project conflict with any applicable habitat conservation plan or natural community conservation plan?

Project Impacts: No Impact. A significant impact would occur if the proposed project conflicted with any applicable habitat conservation plans. The project site is located in a highly urbanized area and does not contain any significant natural habitat. The project site is not located within an area subject to a habitat conservation plan or natural community conservation plan. Thus, the proposed project would not generate a conflict with any such plans.

4.11 MINERAL RESOURCES

	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant	No Impact
4.11 MINERAL RESOURCES —Would the project:				
a. Result in the loss of availability of a known mineral resource that would be of value to the region and residents of the state?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b. Result in the loss of availability of a locally important mineral resource recovery site delineated on a local general plan, specific plan, or other land use plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

a) Would the project result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the state?

Project Impacts: No Impact. A significant impact would occur if the proposed project removed the availability of known mineral resources of regional value. The project site is paved and located on the site of an existing high school campus. According to DOGGER, the property does not contain an oil or gas well.³⁹ The project site is not located within a Significant Mineral Aggregate Resource Area or an area with active mineral extraction activities.⁴⁰ Therefore, no adverse impacts to the availability of a mineral resource would occur as a result of the proposed project.

³⁹ California Department of Conservation, Division of Oil, Gas, and Geothermal Resources, Regional Wildcat Map, Counties—Los Angeles, Ventura, W1-2 (2012), <ftp://ftp.consrv.ca.gov/pub/oil/maps/dist1/w1-2/Mapw1-2.pdf>.

⁴⁰ California Department of Mines and Geology, Mineral Land Classification of the Greater Los Angeles area, 1982.

b) Would the project result in the loss of availability of a locally important mineral resource recovery site delineated on a local general plan, specific plan or other land use plan?

Project Impacts: No Impact. As discussed in the previous response, the proposed project would not be developed on a mineral resource recovery site. Therefore, no adverse impacts to the availability of a mineral resource would occur as a result of the proposed project.

4.11 NOISE

	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant	No Impact
4.11 NOISE —Would the project result in:				
a. Exposure of persons to or generation of noise levels in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. Exposure of persons to or generation of excessive groundborne vibration or groundborne noise levels?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c. A substantial permanent increase in ambient noise levels in the project vicinity above levels existing without the project?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d. A substantial temporary or periodic increase in ambient noise levels in the project vicinity above levels existing without the project?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e. For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project expose people residing or working in the project area to excessive noise levels?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
f. For a project within the vicinity of a private airstrip would the project expose people residing or working in the project area to excessive noise levels?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Sound is mechanical energy transmitted by pressure waves in a compressible medium such as air. Noise can be defined as unwanted sound. Sound is characterized by various parameters that include the rate of oscillation of sound waves (frequency), the speed of propagation, and the pressure level or energy content (amplitude). In particular, the pressure level has become the most common descriptor used to characterize the loudness of an ambient sound level. The decibel (dB) scale is used to quantify sound intensity. Because sound pressure can vary by over one trillion times within the range of human hearing, a logarithmic loudness scale is used to keep sound intensity numbers at a convenient and manageable level. Since the human ear is not equally sensitive to all frequencies within the entire spectrum, noise measurements are weighted more heavily within those frequencies of maximum human sensitivity in a process called “A-weighting,” written as dBA.

Sound is recorded among several factors. One such factor is the “equivalent continuous noise level” (Leq), a measure of sound energy averaged over a period of time. It is referred to as the equivalent continuous noise level because it is equivalent to the level of a steady sound, which, over a referenced

duration and location, has the same A-weighted sound energy as the fluctuating sound. Leq for periods of one-hour, during the daytime or nighttime hours, and 24 hours are commonly used in environmental assessments.

Another factor is the “Community Noise Equivalent Level” (CNEL). CNEL is a noise measurement system introduced by the State, with particular emphasis on airport noise. CNEL can be measured using ordinary dBA readings and it is the measure of the average noise environment over a 24-hour period, adjusted to an equivalent level to account for the lower tolerance of people to noise during evening and nighttime periods relative to the daytime period. Residential development within the State is generally discouraged in the 60-65 CNEL noise impact area.

When evaluating environmental community noise levels, a 3-dBA increase over 24 hours is barely perceptible to most people; a 5-dBA increase is readily noticeable; and a 10-dBA increase is perceived as a doubling of loudness.

- a) ***Would the project result in exposure of persons to or generation of noise levels in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?***

Project Impacts: Less Than Significant Impact with Mitigation. A significant impact would occur if the proposed project resulted in exposure of persons to or generation of noise levels in excess of standards established in the local general plan or noise ordinance. Noise impacts associated with proposed project would include short-term and long-term impacts. Construction activities, especially heavy equipment operation, will create noise effects on and adjacent to the construction site. The primary long-term noise impacts from the project will be created from project-induced traffic, which would not cause an audible increase in mobile source noise levels within and near the project.

Incremental increase in noise levels from project-induced traffic would be negligible. Therefore, permanent noise impacts from operation of the proposed project would not be in excess of applicable noise standards in the project area.

The primary regulatory documents that establish noise standards within the City of Los Angeles are the Los Angeles Municipal Code (LAMC),⁴¹ and the City’s General Plan, Noise Element,⁴² which refers to the LAMC with respect to noise emission standards. According to the LAMC Section 112.05(a), noise levels associated with powered equipment or powered tools that are within 500 feet of a single family residential zone shall not exceed 75 dBA from a distance of 50 feet. Note that this is similar to the County’s 75 dB(A) leq restriction on construction related noise in a single family residential zone, which is outlined in County of Los Angeles Ordinance No. 11743, Section 12.08.440 of the County Code. In addition, the Los Angeles Unified School District (LAUSD) has established its own set of noise standards for proposed schools, as seen below in **Table 4.12-1, Noise Levels Established by LAUSD**. These standards are consistent with generally recognized and adopted standards, such as those published by the Governor’s Office of Planning and Research (OPR) and adopted by Collaborative for High Performance Schools (CHPS).⁴³

⁴¹ "City of Los Angeles Municipal Code." 28 Jan. 2012. Internet URL:

http://www.amlegal.com/nxt/gateway.dll?f=templates&fn=default.htm&vid=amlegal:lamc_ca. Last accessed: 30 April. 2012.

⁴² City of Los Angeles, *Noise Element of the Los Angeles City General Plan*. Los Angeles, California (Adopted February 3, 1999). Internet URL: <http://cityplanning.lacity.org/cwd/gnlpln/noiseElt.pdf>.

⁴³ LAUSD New School Construction Program, *Draft Program EIR*, 3.3 Noise. Los Angeles, California (March 2004). 07 November 2012. Internet URL: <http://www.laschools.org/peir/docs/3-03%20Noise.pdf>. Last accessed: 08 November 2012.

Table 4.12-1
Noise Levels Established by LAUSD

Location	L₁₀ Noise Level	L_{eq} Noise Level
Exterior	70 dBA	67 dBA
Interior	55 dBA	45 dBA

According to the Noise Technical Report, all construction equipment related sound levels at 50 feet, with the exception of forklifts, exceed the 75 dBA noise standard established in Section 112.05(a) of the LAMC, and Section 12.08.440 of the County Ordinance. Future construction related noise would also exceed the 70 dBA exterior noise level for schools established by the LAUSD. However, with implementation of the following mitigation measures, impacts from the noisiest individual pieces of construction equipment (graders, pavers, and rollers) would be reduced to 70 dBA at 50 feet, which is equal to or below the adopted standards for construction related noise in a residential or school zone. Therefore, the impact would be less than significant with mitigation.

Mitigation Measure N-1: The construction contractor shall implement noise attenuation measures to reduce exterior noise levels during construction to 70 dBA or less as measured at 50 feet from the active piece of equipment. A number of measures are available to attenuate construction related noise including, but not limited to:

- provide temporary shields and noise barriers such as sound blankets that are a minimum of six feet in height between the areas of active construction and sensitive receivers.
- turn off construction equipment when not in use.
- ensure that all construction equipment, fixed or mobile, is properly operating (tuned-up) and that mufflers are working adequately.

Mitigation Measure N-2: Construction activities shall be prohibited between the hours of 7:00 p.m. and 7:00 a.m. Monday through Friday, and on weekends or holidays consistent with the Noise Control Ordinance of the Los Angeles County ~~Municipal~~ Code (Section 12.08.440).

Mitigation Measure N-3: The construction contractor shall provide advance notice of the start of construction to all noise sensitive receptors, businesses, and residences adjacent to the project area. The announcement shall state specifically where and when construction activities will occur, and provide contact information for filing noise complaints.

Mitigation Measure N-4: The construction contractor shall coordinate with the school principal prior to construction activity in order to schedule high noise producing events to minimize disruption on classroom activities.

Mitigation Measure N-5: In compliance with LAUSD requirements, ~~The the~~ construction contractor shall not exceed exterior noise levels of 70 dBA at the school site. ~~comply with all applicable noise regulations of the affected jurisdictions and the LAUSD (e.g. the City and County of Los Angeles).~~ In the event of complaints by nearby residents or receptors, the contractor shall monitor noise from the construction activity to ensure that construction noise does not exceed limits specified in the noise regulations. ~~Compliance with the LAUSD, city and county noise restrictions shall be part of all construction contracts.~~

b) Would the project result in exposure of persons to or generation of excessive groundborne vibration or groundborne noise levels?

Project Impacts: No Impact. Vibration is sound radiated through the ground. Ground-borne noise is the rumbling sound caused by the vibration of building interior surfaces. The ground motion caused by vibration is measured as peak particle velocity (PPV) in inches per second and is referenced as vibration decibels (VdB). Typical outdoor sources of perceptible groundborne vibration are construction equipment and traffic on rough roads.

The American National Standards Institute (ANSI) indicates that vibration levels in critical care areas, such as hospital surgical rooms and laboratories, should not exceed 0.2 inch per second of PPV.⁴⁴ The FTA also uses a PPV of 0.2 inch per second as vibration damage threshold for fragile buildings and a PPV of 0.12 inch per second for extremely fragile historic buildings. The FTA criteria for infrequent ground-borne vibration events (less than 70 events per day) that may cause human annoyance are 83 VdB for institutional land uses and 80 VdB for residential land uses.⁴⁵

Construction (Short-Term Impacts)

According to the Noise Technical Report, ground-borne vibration from project construction activities would be intermittent and localized. For the proposed project's construction, trucks hauling building materials to construction sites can be sources of vibration intrusion if the haul routes pass through residential neighborhoods on streets with bumps or potholes.

The FTA has published standard vibration levels for construction equipment operations. The calculated vibration levels expressed in VdB and PPV for construction equipment at distances of 42, 50, 100, and 200 feet are listed in **Table 4.12-2, Vibration Levels of Construction Equipment (VdB)** and **Table 4.12-3, Vibration Levels of Construction Equipment (PPV)**.

**Table 4.12-2
Vibration Levels of Construction Equipment (VdB)**

Equipment	Vibration Decibels at 42 ft. (VdB) ^a	Vibration Decibels at 50 ft. (VdB)	Vibration Decibels at 100 ft. (VdB)	Vibration Decibels at 200 ft. (VdB)
Loaded Truck	79	77	74	68
^a Calculated vibration levels from sensitive receiver to loaded truck on Chamberlain Street. Source: Federal Transit Administration. 2006. Noise and Vibration Impact Assessment. May. Chapter 12.				

⁴⁴ American National Standards Institute (ANSI). 1983. "Guide to the Evaluation of Human Exposure to Vibration in Buildings", ANSI S.329-1983.

⁴⁵ Federal Transit Administration, *Transit Noise and Vibration Impact Assessment*. Office of Planning and Environment, FTA-VA-90-1003-06 (May 2006).

Table 4.12-3
Vibration Levels of Construction Equipment (PPV)

Equipment	PPV at 42 ft. (in/sec)	PPV at 50 ft. (in/sec)	PPV at 100 ft. (in/sec)	PPV at 200 ft. (in/sec)
Loaded Truck	0.0406	0.0269	0.0095	0.0034
<p>-</p> <p>^a Calculated vibration levels from sensitive receiver to loaded truck on Chamberlain Street.</p> <p>Source: Federal Transit Administration. 2006. Noise and Vibration Impact Assessment. May. Chapter 12.</p>				

As shown in **Tables 4.12-1 and 4.12-2**, the vibration level of construction equipment at a distance of 42 feet, which is the approximate distance of a loaded truck traveling on the nearest road, Chamberlain Street, is less than the FTA damage threshold of 0.12 inch per second PPV for fragile historic buildings and less than the damage threshold of 80 VdB for residential land uses. Therefore, there will be no impact from ground-borne noise or ground-borne vibration during project construction.

Operation (Long-Term Impacts)

Operation of the proposed project would not involve significant sources of ground-borne vibration or ground-borne noise. Thus, operation of the proposed project will result in no impact.

c) Would the project result in a substantial permanent increase in ambient noise levels in the project vicinity above levels existing without the project?

Project Impacts: No Impact. The principal noise source in the project vicinity is traffic on local roadways. The permanent sources of noise during operations at the proposed health center would include noise generated from worker commuter traffic and patient traffic. A noise impact would occur if the project contributes to a permanent increase in ambient noise levels affecting sensitive receptors along roadways that would carry project-generated traffic.

According to the Noise Technical Study prepared for the project and based on the results from the traffic analysis, the proposed project would generate 58 vehicle trips per weekday, with a peak of 20 trips per hour during rush hour, which is “far below the threshold of 500 trips per day that is identified in the County of Los Angeles Department of Public Works *Traffic Impact Analysis Report Guidelines* to warrant a preparation of a traffic study.”⁴⁶ Further, the letter report states that “there is very little probability the project will result in any impact to the surrounding circulation network.”⁴⁷ A doubling of traffic would cause a noise increase of approximately 3 dBA, or a perceptible change in the environmental noise. Project operation would result in a nominal traffic increase that falls well below current level of traffic on local roadway network. Therefore, there will be no permanent noise impacts from operation of the proposed project.

⁴⁶ Traffic Memorandum from Keith Rutherford, T.E., VA Consulting, Inc., Irvine, California to Ken Koch, UltraSystems Environmental, Inc., El Dorado Hills, California (March 20, 2012). P. 2

⁴⁷ Ibid.

d) **Would the project result in a substantial temporary or periodic increase in ambient noise levels in the project vicinity above levels existing without the project?**

Project Impacts: **Less-than-Significant Impact with Mitigation.** Construction of the proposed project would generate short-term intermittent increases in noise associated with construction activities.

Construction of the proposed project may generate intermittent high noise levels on and adjacent to the site. Construction noise levels would fluctuate, depending on the type and intensity of construction activity, equipment type and duration of use, and distance between the noise source(s) and the receiver.

Table 4.12-4, *Construction Equipment Noise Characteristics*, lists the types of equipment expected to be used. For each equipment type, the table shows the number of pieces of each equipment type expected to be used as well as an average noise emission level (in dBA at 50 feet) and a “usage factor,” which is an estimated percentage of operating time that the equipment would be producing noise at the stated level.⁴⁸

**Table 4.12-4
Construction Equipment Noise Characteristics**

<i>Equipment Type</i>	<i>No. Pieces</i>	<i>Maximum Sound Level (dBA @ 50 feet)</i>	<i>Usage Factor (%)</i>
<i>Air Compressors</i>	<i>1</i>	<i>78</i>	<i>40</i>
<i>Cement & Mortar Mixers</i>	<i>4</i>	<i>79</i>	<i>40</i>
<i>Crane</i>	<i>1</i>	<i>81</i>	<i>16</i>
<i>Forklift</i>	<i>2</i>	<i>65</i>	<i>50</i>
<i>Grader</i>	<i>1</i>	<i>85</i>	<i>40</i>
<i>Paver</i>	<i>1</i>	<i>85</i>	<i>50</i>
<i>Roller</i>	<i>1</i>	<i>85</i>	<i>20</i>
<i>Rubber Tired Dozer</i>	<i>1</i>	<i>82</i>	<i>50</i>
<i>Tractor</i>	<i>2</i>	<i>84</i>	<i>40</i>
<i>U.S. Department of Transportation, Research and Innovative Technology, FHWA Highway Construction Noise Handbook, 2006.</i>			

The proposed project would include demolition of existing structures, breakup of existing pavement and replacement with concrete, and erection of new structures. Each construction phase would involve the use of a different mix of construction equipment and, therefore, have its own distinct noise characteristics.

According to the Noise Technical report, the estimated maximum hourly exposure to construction noise for the nearest sensitive receiver (SFHS, which is approximately 12 feet away), is 97.6 dBA Leq. Based on Table 4.12-4, all the construction equipment, except forklifts, maximum sound levels at 50 feet exceed the 75 dBA at 50 feet noise standard established in Section 112.05(a) of the LAMC, Section 1208.440 of the county code as well as the 70 dBA standard adopted by LAUSD policy. With implementation of Mitigation Measures N1 through N5 listed in Section XII a, the noise impacts from construction equipment would be less than or equal to 70 dBA at 50 feet; therefore, the impacts would be less than significant with mitigation.

⁴⁸ Equipment noise emissions and usage factors are from Knauer, H. et al., 2006. *FHWA Highway Construction Noise Handbook*. U.S. Department of Transportation, Research and Innovative Technology, Administration, Cambridge, Massachusetts, FHWA-HEP-06-015 (August 2006), except where otherwise noted.

- e) **For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project expose people residing or working in the project area to excessive noise levels.**

Project Impacts: Less Than Significant Impact. The proposed project is not located within an airport influence area. Refer to response to checklist question VIII (e) for more information. Therefore, the project would not have the potential to expose people to excessive airborne noise levels associated with over-flights or aircraft departures or arrivals. Therefore, the airborne noise impacts within the project area are anticipated to be less than significant.

- f) **For a project within the vicinity of a private airstrip, would the project expose people residing or working in the project area to excessive noise levels?**

Project Impact: No Impact. The proposed project site is not located within the vicinity of a private airstrip. Therefore, the project would not have the potential to expose people to excessive noise levels associated with private airstrip over-flights and no impacts would occur.

4.13 POPULATION AND HOUSING

	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant	No Impact
4.13 POPULATION AND HOUSING —Would the project:				
a. Induce substantial population growth in an area, either directly (for example, by proposing new homes and business) or indirectly (for example, through extension of roads or other infrastructure)?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b. Displace substantial numbers of existing housing, necessitating the construction of replacement housing elsewhere?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c. Displace substantial numbers of people, necessitating the construction of replacement housing elsewhere?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

- a) **Would the project induce substantial population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of roads or other infrastructure)?**

Project Impacts: No Impact. A potentially significant impact would occur if the proposed project induced substantial population growth that would not have taken place absent the project. The proposed project represents a school based teen health center that would not include a housing component or otherwise increase the resident population of the City. The project would utilize existing school infrastructure for its operation and no additional extension of roads or other infrastructure is proposed. Therefore, no impacts would occur.

b) Would the project displace substantial numbers of existing housing, necessitating the construction of replacement housing elsewhere?

Project Impacts: No Impact. As mentioned in the previous response, the proposed project is a school - based teen health center located on an LAUSD site within the campus of the SFHS. The proposed project would not displace any existing housing and would not require replacement housing elsewhere. Therefore, no impacts would occur.

c) Would the project displace substantial numbers of people, necessitating the construction of replacement housing elsewhere?

Project Impacts: No Impact. As mentioned in sections a) and b) above, the proposed project is a school based teen health center located on the grounds of SFHS. Thus, the proposed project would not result in the displacement of housing or people and would not require the construction of replacement housing elsewhere. Therefore, no impacts to existing housing would result due to the implementation of the proposed project and no replacement housing would be required.

4.14 PUBLIC SERVICES

	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant	No Impact
4.14 PUBLIC SERVICES				
a. Would the project result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times or other performance objectives for any of the public services:				
Fire protection?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Police protection?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Schools?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Parks?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Other public facilities?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Would the project result in substantial adverse physical impacts associated with the provision of new or physically altered government facilities, need for new or physically altered government facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times, or other performance objectives for any of the public services:

a) Fire protection?

Project Impacts: Less Than Significant Impact. The project site is served by the Los Angeles Fire Department (LAFD) which is a highly regimented agency that incorporates both paramilitary structure

and command principles. Groups of Neighborhood Fire Stations are clustered into Battalions, which are further organized into geographic groups, known as Divisions. The project site is located within division 3 and is served by Battalion 12 of LAFD. LAFD's "Battalion 12" serves Northeast San Fernando Valley and includes one Battalion Chief overseeing all personnel assigned to seven Neighborhood Fire Stations in a 73 square mile district.

The project site is served by Station 75 which covers the City of Mission Hills and western part of the City of San Fernando. The project would not introduce a resident population and is located on the grounds of an existing school campus that is afforded service by Station 75. The project would consolidate existing uses and would not create new long term employment that could induce a population increase. It is anticipated that short term construction related jobs would be filled by the local labor force rather than relocate to the project area for a temporary construction assignment.

Since the project would not result in an increase in resident population, operation of the proposed project would not diminish the staffing or the response times of existing fire stations serving the area. Moreover, the Fire Department currently reviews all new development plans, and all development, including the proposed project, would be required to conform to requirements of Building and Fire Codes, including, but not limited to, building setbacks, emergency access, building construction, water mains, fire hydrant flows, hydrant spacing, access and other hazard reduction programs. Therefore, existing fire protection services in the area would be sufficient and no new or altered fire protection services would be needed.

b) Police protection?

Project Impacts: Less Than Significant Impact. LAUSD maintains its own police department to provide security for LAUSD schools and centers within its jurisdiction. The Los Angeles School Police Department (LASPD) would continue to provide law enforcement for the existing Campus and would also have jurisdiction over the project as it would be located on LAUSD property. All improvement plans for the proposed project will be reviewed and approved by the LASPD.

The Los Angeles Police Department (LAPD), Valley Bureau provides police protection to the SFHS and the project site. A significant impact would occur if the proposed project exceeded the capacity or capability of LAPD facilities to serve the project site. The project site is served by the Mission Community police station which is located at 11121 N. Sepulveda Blvd, Mission Hills, approximately 2 miles west of the project site. The Mission Community Police Station serves the neighborhoods of Arleta, Mission Hills, North Hills, Panorama City and Sylmar. Mission Area encompasses 25.1 square miles. The proposed project consists of a school based teen health center intended to serve the existing population. The project would not result in population growth requiring an increase in staffing or equipment. Therefore, implementation of the proposed project would result in less than significant impacts on police protection services.

c) Schools?

Project Impacts: No Impact. The proposed project consists of a school based teen health center located on an LAUSD site within the area of the SFHS. The proposed project would not result in population growth. Because the proposed project is not growth-inducing and would not introduce new residences or residential housing to the project site, the proposed project would not result in an impact to the provision of schools.

d) Parks?

Project Impacts: No Impact. The San Fernando Valley consists of numerous neighborhood 'pocket parks,' city parks, recreation areas, and large regional open space preserves. The closest park to the project site is Richie Valens Park, a local park located approximately 0.25 miles to the south of the site.

Richie Valens Park offers an Auditorium, a baseball diamond, basketball courts, a children's play area, a community room, handball courts, an indoor gym, picnic tables, a soccer field and a tennis courts. The proposed project consists of a school based teen health center and would not result in population growth. Because the proposed project is not growth-inducing and would not introduce new residences to the project site, the proposed project would not result in an impact to the provision of public parks or recreational services.

e) Other public facilities?

Project Impacts: No Impact. The proposed project consists of a school based teen health center located on an LAUSD site within the campus of the SFHS. Therefore, the proposed project is itself a public medical facility which would provide health care access to address health status disparities of more than 3,000 low-income students of SFHS, Mission Continuation School, and the McAlister High School ~~pregnant and parenting teenagers~~ San Fernando site. The proposed project would not result in population growth. Therefore, the proposed project would have a positive effect and would improve public facilities in the area.

4.15 RECREATION

	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant	No Impact
4.15 RECREATION				
a. Would the project increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b. Does the project include recreational facilities or require the construction or expansion of recreational facilities, which might have an adverse physical effect on -the environment?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

a) Would the project increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated?

Project Impacts: No Impact. A significant impact would occur if the proposed project caused a substantial physical deterioration of existing neighborhood and regional parks or other recreational facilities. Implementation of the proposed project would not introduce any residential uses that would create a direct demand for recreational facilities. The proposed project consists of a school based teen health center located on an LAUSD site within the campus of the SFHS. No new or altered recreational services will be needed.

b) Does the project include recreational facilities or require the construction or expansion of recreational facilities, which might have an adverse physical effect on the environment?

Project Impacts: No Impact. A significant impact would occur if the proposed project necessitated construction of new parkland that would adversely impact the environment. The proposed project consists of a school based teen health center that would not include a residential component. The project

would have no demand on existing parks and recreation facilities and no new or altered recreational services would be provided or are needed. Thus, no construction or expansion of existing recreational facilities would be needed and no adverse impact would occur to the environment.

4.16 TRANSPORTATION AND TRAFFIC

	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant	No Impact
4.16 TRANSPORTATION/TRAFFIC —Would the project:				
a. Conflict with an applicable plan, ordinance or policy establishing measures of effectiveness for the performance of the circulation system, taking into account all modes of transportation including mass transit and non-motorized travel and relevant components of the circulation system. Including but not limited to intersections, streets, highways and freeways, pedestrian and bicycle paths, and mass transit?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b. Conflict with an applicable congestion management program, including, but not limited to level of service standards and travel demand established by the county congestion management agency for designated roads or highways?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c. Result in a change in air traffic patterns, including either an increase in traffic levels or a change in location that results in substantial safety risks?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d. Substantially increase hazards due to a design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
e. Result in inadequate emergency access?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
f. Conflict with adopted policies, plans, or programs regarding public transit, bicycle, or pedestrian facilities, or otherwise decrease the performance or safety of such facilities?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

- a) **Would the project conflict with an applicable plan, ordinance or policy establishing measures of effectiveness for the performance of the circulation system, taking into account all modes of transportation including mass transit and non-motorized travel and relevant components of the circulation system. Including but not limited to intersections, streets, highways and freeways, pedestrian and bicycle paths, and mass transit?**

Project Impacts: Less Than Significant Impact. The following is a summary of the findings from a traffic letter report prepared for the Project. The report is found in **Appendix E** to this Initial Study.

The project site is located in an urban setting that contains a fully developed transportation network. Roadways surrounding the project site are North O'Melveny Avenue to the north and Chamberlain Street

to the west. The I-5 and SR-118 Freeways are located in vicinity of the site, to the south and east, respectively. The number of through roadways that cross these transportation corridors in vicinity of the project is limited; to the west of the proposed project site Fox Street (N-S) crosses the I-5 and to the south Laurel Canyon Road (E-W) crosses the SR-118 to the east.

The project has been cited in a manner to promote access for those in need, who often must utilize alternative modes of transportation. The City of Los Angeles Department of Transportation provides service in the area and operates an extensive commuter bus network within the region. Location of the proposed teen health center on the grounds of a high school campus in a predominately residential area promotes walking, biking, or mass transit as modes of travel to reach the clinic. A traffic letter report prepared for the project found that operation would generate an estimated 58 vehicle trips per weekday onto the local roadway network given that visitors are students who are already attending classes or their dependents within the attendance area of the high school. The anticipated trip generation is far below the threshold of 500 trips per day used by the County of Los Angeles Department of Public Works Traffic Impact Analysis Report Guidelines to warrant preparation of a traffic impact study. During peak hours the project will generate less than 20 trips per hour, which is nominal compared to existing volumes. Parking would be provided by existing campus parking lot and would be sufficient for staff and students visiting the proposed teen center since the majority are students who are already on this campus to attend classes. Therefore, the project would not conflict with an applicable plan, ordinance or policy establishing measures of effectiveness for the performance of the circulation system.

- b) Would the project conflict with an applicable congestion management program, including, but not limited to level of service standards and travel demand established by the county congestion management agency for designated roads or highways?**

Project Impacts: Less Than Significant Impact. As stated above in 4.16a), the project's trip generation is far below the threshold of 500 trips per day used by the County as the level requiring preparation of a transportation study. Furthermore, the project would generate less than 20 trips in the peak hour. The project would not result in an impact to the surrounding circulation network. Therefore, the project would not exceed a level of service standard established by the county congestion management agency for designated roads or highways.

- c) Would the project result in a change in air traffic patterns, including either an increase in traffic levels or change in location that results in substantial safety risks?**

Project Impacts: No Impact. The project is not located within an airport influence area and is a single story structure that does not have the ability to influence air traffic patterns or cause safety risk. Please refer to the response to checklist question 4.8(e) for more information.

- d) Would the project substantially increase hazards due to a design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?**

Project Impacts: No Impact. The project is proposed on the grounds of an existing high school served by a developed transportation network. The project does not propose or require modifications to the existing roadway alignment and the health center is a compatible use for a school campus. The proposed project must comply with standard development procedures including submitting site plans for review and approval prior to the issuance of building permits to ensure compliance with all applicable codes. Therefore, with compliance with these existing policies and procedures, the project would not have an impact.

e) Would the project result in inadequate emergency access?

Project Impacts: No Impact. The proposed project would rely on existing points of roadway access to the campus. New landscaped pathways would connect the clinic to the campus to promote pedestrian activity. The project design must comply with all applicable codes and all building plans must be submitted for review and approval prior to the issuance of building permits to ensure compliance.

f) Would the project conflict with adopted policies, plans, or programs regarding public transit, bicycle, or pedestrian facilities, or otherwise decreased the performance or safety of such facilities?

Project Impacts: No Impact. Please refer to the response to checklist 4.16(a). The proposed project would be consistent with adopted policies, plans, and programs pertaining to alternative modes of transportation. The project would consolidate existing clinic activities that occur on the grounds of the SFHS campus and are intended to serve existing students and their dependents. The project has been cited in a manner that permits students and their dependents to walk or ride a bike to receive medical care. The nearest transit stop is located less than ¼ mile from the project site. Public transit would not be affected since existing medical services that are currently scattered throughout the campus would be consolidated into one building.

4.17 UTILITIES AND SERVICE SYSTEMS

	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant	No Impact
4.17 UTILITIES AND SERVICE SYSTEMS—Would the project:				
a. Exceed wastewater treatment requirements of the applicable Regional Water Quality Control Board?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b. Require or result in the construction of new water or wastewater treatment facilities or expansion of existing facilities, the construction of which could cause significant environmental effects?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c. Require or result in the construction of new storm water drainage facilities or expansion of existing facilities, the construction of which could cause significant environmental effects?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d. Have sufficient water supplies available to serve the project from existing entitlements and resources, or are new or expanded entitlements needed?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
e. Result in a determination by the wastewater treatment provider, which serves or may serve the project determined that it has adequate capacity to serve the project's projected demand in addition to the provider's existing commitments?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
f. Be served by a landfill with sufficient permitted capacity to accommodate the project's solid waste disposal needs?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant	No Impact
g. Comply with federal, state, and local statutes and regulations related to solid waste?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

a) Would the project exceed wastewater treatment requirements of the applicable Regional Water Quality Control Board?

Project Impacts: Less Than Significant Impact. A significant impact would occur if the proposed project exceeded wastewater treatment requirements of the Regional Water Quality Control Board (RWQCB). The Los Angeles Regional Water Quality Control Board oversees and regulates water quality within the San Fernando Valley Region. RWQCB, in cooperation with USEPA, has responsibility for implementing state groundwater monitoring and cleanup programs and for protecting the groundwater of California, including the San Fernando Valley basin.

The Bureau of Sanitation for the City of Los Angeles serves a population of more than four million within a 600 square mile service area that includes Los Angeles and 29 contracting cities and agencies. The City's more than 6,700 miles of public sewers convey about 400 million gallons per day of flow from residences and businesses to the City's four wastewater treatment and water reclamation plants. The Bureau conducts an annual sewer and maintenance hole inspection program, with over 2,600 miles of sewers inspected and cleaned to ensure adequate flows are maintained.

The project site is served by the Hyperion Sanitary Sewer System. Currently an average wastewater flow rate of nearly 375 million gallons per day (MGD) is generated in the system. About 60 MGD is treated at upstream Donald C. Tillman and Los-Angeles Glendale Water Reclamation Plants. All other flow in the System and the biosolids from these reclamation plants are treated at the Hyperion Treatment Plant located in Playa Del Rey. The treatment plants operate under conditions placed on the facility as part of the National Pollutant Discharge Elimination System (NPDES) permit program. Waste Discharge Requirements (WDR) are conditioned on the plants to ensure effluent is treated so that the beneficial uses of the waters in the watershed are maintained. Depending on the type of impairment in a given water body, the permit may regulate pathogens, metals, turbidity, pesticides and other chemical compounds.

The proposed project is estimated to generate 1,290 gpd or .0013 mgd of effluent requiring treatment assuming a staff of 13 and daily patronage of 10 clients. This nominal increase in wastewater requiring treatment could be accommodated by the existing system without exceeding the WDRs placed on the system. Therefore, project impact in relation to wastewater treatment would be less than significant.

b) Would the project require or result in the construction of new water or wastewater treatment facilities or expansion of existing facilities, the construction of which could cause significant environmental effects?

Project Impacts: No Impact. A significant impact would occur if the proposed project resulted in the construction or expansion of facilities that would cause significant physical impacts. The project is located in an urban area afforded all necessary wet utility connections. A nominal increase in demand for potable water and wastewater collection and treatment would be associated with project operation. However, the project is located on the grounds of an existing school campus that has been in operation since early 1950s. Demand for water and sewer generated by campus uses have been accounted for in projections made as part of the Capital Improvement Program, which is used to identify improvements

and funding sources needed to meet projected demands. Project operation would not be expected to require construction or expansion of any utility service.

- c) **Would the project require or result in the construction of new storm water drainage facilities or expansion of existing facilities, the construction of which could cause significant environmental effects?**

Project Impacts: Less Than Significant Impact. A significant impact would occur if the proposed project increased surface water runoff, resulting in the need for expanded off-site stormwater drainage facilities. The project site is located in urban area containing a developed drainage network designed to accommodate a 25 year storm event. Project development would not substantially increase the amount of impervious surfaces on the property, so the volume of surface water runoff leaving the site would remain equivalent to current conditions. Impacts of the proposed project on the existing stormwater drainage and conveyance system would be less than significant.

- d) **Would the project have sufficient water supplies available to serve the project from existing entitlements and resources, or are new or expanded entitlements needed?**

Project Impacts: Less Than Significant Impact. A significant impact would occur if the existing entitlements were not sufficient to serve the proposed project along with existing users. Potable water is supplied on site by Los Angeles Department of Water and Power, approximately sixty percent comes from the Sierra via the Los Angeles Aqueduct system, fifteen percent from the San Fernando groundwater basin and 25 percent from the Metropolitan Water District's Colorado and Feather River supplies. Over 4 million people reside in the LADWP service area.

Project occupancy would result in a nominal increase in the demand for potable water. Using the five year average per capita water demand of 145 gallons per day⁴⁹, total project demand is estimated at 3,335 gpd or 0.01 acre feet. This increase can be accommodated by the growth projections utilized in the Urban Water Management Plan, which predicts an increase of approximately 367,300 new residents over the next 25 years. The 2011 LADWP Urban Water Management Plan indicates that sufficient water supplies are, and would continue to be available in order to reliably supply water to its customers through the 25-year planning period covered by this UWMP.⁵⁰

- e) **Would the project result in a determination by the wastewater treatment provider which serves or may serve the project that it has adequate capacity to serve the project's projected demand in addition to the provider's existing commitments?**

Project Impacts: Less Than Significant Impact. A significant impact would occur if the proposed project would increase wastewater generation to the degree that the capacity of facilities currently serving the project site would be exceeded. See response to checklist item 4.17(a). The proposed project is located in an area with an existing well developed waste water treatment system. Therefore, any increase in wastewater could be accommodated by the existing system without the need for upgrade.

- f) **Would the project be served by a landfill with sufficient permitted capacity to accommodate the project's solid waste disposal needs?**

Project Impacts: Less Than Significant Impact. A significant impact would occur if the proposed project's solid waste generation exceeded the capacity of permitted landfills. The County of Los Angeles Sanitation Districts provides solid waste management services throughout Los Angeles County. The Sanitation Districts' comprehensive solid waste management system currently provides about one-third of

⁴⁹ Integrated Waste Management Plan, 2009 Annual Report, February, 2011.

⁵⁰ Guidelines for Preparation of Environmental Assessments for Solid Waste Impacts (Ventura County Solid Waste Management Department)

the countywide solid waste disposal needs through the operation of three sanitary landfills, four landfill energy recovery facilities, three materials recovery/transfer facilities, and two refuse-to-energy facilities.

In 2009, residents and businesses in the County disposed of 9.09 million tons of solid waste at Class III landfills and transformation facilities. The City of Los Angeles was responsible for 3 million tons of this waste. The average daily rate of waste received at Class III landfills within the County was 21,727 tpd. The total remaining permitted Class III landfill capacity is estimated at 142 million tons. Countywide, the solid waste diversion rate for 2006 (most recent available) was 58 percent.

Project operation would generate solid waste in the form of paper, cardboard, plastic beverage containers as well as bio hazardous' waste or 'infectious medical' waste. Based on a generation rate for medical office buildings of 0.0108 tons/square foot/year, the annual amount of waste generated by project operation would be 59 tons per year or 0.16 tons per day. Assuming the countywide average diversion rate of 58%, a total of 34 tpy or 0.094 tpd would require disposal in a landfill.

Project generated waste is nominal compared to the remaining capacity at county landfills which stands at 142 million tons. Based on the available capacity of County landfills, and with incorporation of Source Reduction and Recycling programs, project operation would not significantly impact landfill space.

g) Would the project comply with federal, state, and local statutes and regulations related to solid waste?

Project Impacts: Less Than Significant Impact. A significant impact would occur if the proposed project were in non-compliance with any federal, State, or local statutes related to solid waste. Solid waste management is guided by the California Integrated Waste Management Act of 1989 that emphasizes resource conservation through reduction, recycling, and reuse of solid waste. The Act requires that localities conduct a Solid Waste Generation Study (SWGS) and develop a Source Reduction Recycling Element (SRRE). The solid waste generated during the construction and operation of the proposed project would be disposed of in accordance with all applicable statutes and conservation measures regarding solid waste. The landfills that would serve the proposed project would have the capacity to accept the amount of non-recyclable solid waste that is generated by the proposed project both during construction and operation.

Bio hazardous waste is the portion of the waste stream that may be contaminated by blood, body fluids or other potentially infectious materials. The Medical Waste Management Act (MWMA) considers any person whose act or process produces medical waste to be a "medical waste generator" in California (e.g. a facility or business that generates, and/or stores medical waste onsite). The California Department of Public Health, Environmental Management Branch, is responsible for implementation of the Medical Waste Management Program (MWMP). This program regulates the generation, handling, storage, treatment, and disposal of medical waste. The MWMP permits and inspects all medical waste offsite treatment facilities and medical waste transfer stations. Additionally, the MWMP acts as the local enforcement agency for Los Angeles. The project would operate under a small generator permit issued by the enforcement agency and must comply with all conditions of the permit which ensure the safe handling and disposal of this medical waste. Therefore, no significant impacts are expected.

4.18 MANDATORY FINDINGS OF SIGNIFICANCE

	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant	No Impact
4.18 MANDATORY FINDINGS OF SIGNIFICANCE				
a. Does the project have the potential to degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, reduce the number or restrict the range of a rare or endangered plant or animal, or eliminate important examples of the major periods of California history or prehistory?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b. Does the project have impacts that are individually limited, but cumulatively considerable? ("Cumulatively considerable" means that the incremental effects of a project are considerable when viewed in connection with the effects of past projects, effects of other current projects, and the effects of probable future projects.)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c. Does the project have environmental effects, which will cause substantial adverse effects on human beings, either directly or indirectly?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

- a) **Does the project have the potential to degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, reduce the number or restrict the range of a rare or endangered plant or animal or eliminate important examples of the major periods of California history or prehistory?**

Project Impacts: Less Than Significant Impact. The project area is highly urbanized and is not populated or used by any species identified as a candidate, sensitive, or special status, and does not include any wetlands. The project area is not considered a "wildlife corridor" because it does not provide open space within an otherwise mostly developed area. The project area is surrounded by existing development that does not support wildlife. There are no protected biological resources adjacent to the project area and its surroundings. The project site does not lie within an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional or State habitat conservation plans. Therefore, no impacts would occur due to the implementation of the proposed project.

The National Register of Historic Places was reviewed, and no historic places are located on North O'Melveny Avenue and Chamberlain Street. The listing of California Historic Landmarks was also reviewed, and no historic landmarks are located on North O'Melveny Avenue and Chamberlain Street. Furthermore, the proposed project is not located in the vicinity of any notable historically significant buildings. Therefore, no known historic resource would be impacted by the proposed project, and no impact would occur.

As is the case with most projects that involve excavation and grading activities, the possibility exists for archaeological resources and/or paleontological resources to be uncovered during the excavation and grading of the project area. The possibility exists for discovery of human remains during the excavation and grading of the project area.

The preceding analyses concluded that no significant unmitigated impacts to the environment would occur. The project sites are located in urbanized areas and would have no adverse significant impacts with respect to biological and cultural resources. With mitigation incorporated, the proposed project impacts to archaeological, paleontological, and human remains can typically be reduced to less than significant levels.

- b) **Does the project have impacts that are individually limited, but cumulatively considerable? (“Cumulatively considerable” means that the incremental effects of a project are considerable when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects)?**

Project Impacts: Less Than Significant Impact. A significant impact may occur if the proposed project, in conjunction with related projects, would result in impacts that are less-than-significant when viewed separately but would be significant when viewed together. All potential impacts of the proposed project have been identified and mitigation measures have been prescribed, where applicable, to reduce potential impacts to less-than-significant levels. None of these potential impacts are considered cumulatively considerable, and implementation of the mitigation measures identified in this initial study would ensure that no cumulative impacts would occur as a result of the proposed project.

- c) **Does the project have environmental effects, which will cause substantial adverse effects on human beings, either directly or indirectly?**

Project Impacts: Less Than Significant Impact. A significant impact may occur if a project has the potential to result in significant impacts, as discussed in the preceding sections. All potential impacts of the proposed project have been identified, and mitigation measures have been prescribed, where applicable, to reduce all potential impacts to less than significant levels. Upon implementation of mitigation measures, the proposed project would not have the potential to result in substantial adverse impacts on human beings either directly or indirectly.

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5.0 REFERENCES

- “2008 Building Energy Efficiency Standards.” California Energy Commission, Sacramento, California. (<http://www.energy.ca.gov/title24/2008standards/index.html>). These became effective January 1, 2010.
- 2008 Building Energy Efficiency Standards for Residential and Nonresidential Buildings, California Energy Commission, (December 2008).
- Alta Environmental, Step Out Soil Sampling Investigation for San Fernando Teen Center, 2012.
- American National Standards Institute (ANSI). 1983. “Guide to the Evaluation of Human Exposure to Vibration in Buildings”, ANSI S.329-1983.
- California Air Resources Board, Climate Change Scoping Plan, a Framework for Change, Pursuant to AB32, the California Global Warming Solutions Act of 2006 (December 11, 2008).
- California Air Resources Board. Preliminary Draft Staff Proposal. Recommended Approaches for Setting Interim Significance Thresholds for Greenhouse Gases under the California Environmental Quality Act. Planning and Technical Support Division, Sacramento, California (October 24, 2008).
- California Department of Mines and Geology, Mineral Land Classification of the Greater Los Angeles area.1982.
- California Department of Conservation, Division of Oil, Gas, and Geothermal Resources, Regional Wildcat Map, Counties—Los Angeles, Ventura, W1-2 (2012), <ftp://ftp.consrv.ca.gov/pub/oil/maps/dist1/w1-2/Mapw1-2.pdf>
- California Department of Toxic Substances Control (DTSC). DTSC's Hazardous Waste and Substances Site List (Cortese List). Available at: http://www.dtsc.ca.gov/database/Calsites/Cortese_List.cfm?county=19.
- California Department of Transportation. 1997. Transportation Project-Level Carbon Monoxide Protocol.
- California Department of Transportation, Scenic Highways, Los Angeles County, Available online at: http://www.dot.ca.gov/hq/LandArch/scenic_highways/langeles.htm, Accessed on August 6, 2012.
- California Department of Water Resources. California Groundwater Bulletin 118, San Fernando Valley Groundwater Basin, Last Updated 2/27/2004.
- California Emissions Estimator Model (CalEEMod), Users Guide, Version 2011.1 Appendix D Default Tables. Prepared by ENVIRON International Corporation, Emeryville, California, for the South Coast Air Quality Management District, Diamond Bar, California (February 2011).
- California Energy Commission Public Interest Energy Research. Outdoor Lighting Baseline Assessment Final Report, November 2002.
- California Geological Survey. Index to Official Maps of Earthquake Fault Zones. Available at: http://www.consrv.ca.gov/CGS/rghm/ap/Map_index/index.htm

- California Office of Historic Preservation, California Historic Landmarks. Los Angeles County, California. Available at: http://ohp.parks.ca.gov/?page_id=21445
- Caltrans. California Scenic Highway Mapping System. Available at: http://www.dot.ca.gov/hq/LandArch/scenic_highways/
- "City of Los Angeles Municipal Code." 28 Jan. 2012. Internet URL: http://www.amlegal.com/nxt/gateway.dll?f=templates&fn=default.htm&vid=amlegal:lmc_ca. Last accessed: 30 April. 2012.
- City of Los Angeles, Noise Element of the Los Angeles City General Plan. Los Angeles, California (Adopted February 3, 1999). Internet URL: <http://cityplanning.lacity.org/cwd/gnlpln/noiseElt.pdf>.
- County of Los Angeles. Department of Regional Planning. Los Angeles County Draft Preliminary General Plan 2007. Figure 7.3 – Very High Fire Hazard Severity Zone
- County of Los Angeles. Department of Regional Planning. County of Los Angeles Draft Preliminary General Plan 2007. Figure 7.2 -Flood Zones
- County of Los Angeles Department of Public Works. Solid Waste Information Management System. <http://dpw.lacounty.gov/epd/swims/site/distribution-of-waste.aspx>
- Equipment noise emissions and usage factors are from Knauer, H. et al., 2006. FHWA Highway Construction Noise Handbook. U.S. Department of Transportation, Research and Innovative Technology, Administration, Cambridge, Massachusetts, FHWA-HEP-06-015 (August 2006), except where otherwise noted.
- Federal designations are from U.S. Environmental Protection Agency, "California 8-Hour Ozone Nonattainment Areas (1997 Standard)." Green Book. Internet URL: www.epa.gov/air/oaqps/greenbook/ca8.html. Updated December 2010. Last accessed: March 8, 2011;
- Federal Transit Administration, Transit Noise and Vibration Impact Assessment. Office of Planning and Environment, FTA-VA-90-1003-06 (May 2006).
- Illumination Engineers Society of North America. Model Outdoor Lighting Ordinance Classification of Outdoor Areas.
- Institution of Transportation Engineers. Trip Generation, 8th Edition. 2008.
- IPCC, 2006 IPCC Guidelines for National Greenhouse Gas Inventories, Volume 5 Waste, (2006).
- Los Angeles County Airport Land Use Commission, *Los Angeles County Airport Land Use Commission, Comprehensive Land Use Plan* (December), http://planning.lacounty.gov/assets/upl/data/pd_alup.pdf (accessed October 5, 2012).
- Los Angeles County Department of Public Works. Water Resources Division, Hydrology Manual, January 2006.

- Los Angeles Unified School District. New School Construction Program, Draft Program EIR. Los Angeles California (March 2004).
- Los Angeles Unified School District, *Strategic Plan for the Establishment of School Health Centers in High Priority Geographic Areas, February 2009*
- Material Safety Data Sheet for “Acry-Sheen White,” Product Code 0250001. Frazee Industries, San Diego, California (October 12, 2006).
- Material Safety Data Sheet for “Duratec II Flat White,” Product Code 2030001. Frazee Industries, San Diego, California (March 25, 2011).
- Memorandum from Ole Barre, UltraSystems Environmental, Inc., Irvine, California to Ken Koch, UltraSystems Environmental, Inc., El Dorado Hills, California (March 12, 2012).
- National Register of Historic Places. Los Angeles County, California. Available at: <http://www.nationalregisterofhistoricplaces.com/ca/Los+Angeles/state.html>
- Personal communication from Douglas Ito, California Air Resources Board, Sacramento, California, to Michael Rogozen, UltraSystems Environmental Inc., Irvine, California. March 29, 2010.
- Rutherford, K. Letter report by VA Consulting, Inc., Irvine, California to Ken Koch, UltraSystems Environmental, Inc., Grass Valley, California (March 20, 2012), p. 2.
- Phase 2 Historic Resources Survey of Schools in the Los Angeles Unified School District, Final Database, 2004
- SCAQMD, 2003. Final Localized Significance Threshold Methodology. June.
- South Coast Air Quality Management District, 2010. SCAQMD webpage, Significant Thresholds table. Available at <http://www.aqmd.gov/ceqa/handbook/signthres.pdf> (Rev. March 2009). Accessed May 2, 2012.
- South Coast Air Quality Management District. Interim CEQA GHG Significance Thresholds for Stationary Sources, Rules and Plans. December 5, 2008. Internet URL: <http://www.aqmd.gov/hb/2008/December/081231a.htm>. Last accessed: November 7, 2012
- State designations are from California Air Resources Board, 2010. Area Designation Maps. [<http://www.arb.ca.gov/desig/adm/adm.htm>]. Accessed on May 26, 2010.
- The City of Los Angeles. Green LA – An Action Plan to Lead the Nation In Fighting Global Warming (May 2007).
- Traffic Memorandum from Keith Rutherford, T.E., VA Consulting, Inc., Irvine, California to Ken Koch, UltraSystems Environmental, Inc., El Dorado Hills, California (March 20, 2012). P. 2

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William Chu, Project Engineer

7.0 RESPONSE TO COMMENTS ON DRAFT IS/MND

7.1 Introduction

Pursuant to §§15073 and 15105 of the *State CEQA Guidelines*, the Draft MND on the proposed project was circulated for a period of 30 days beginning on January 24, 2013 and ending on February 25, 2013.

The County received a memorandum on the document distribution from the State Office of Planning and Research and two (2) written comment letters from other public agencies on the Draft MND within the 30-day public review period. In compliance with *State CEQA Guidelines* §15074, the County has evaluated the written comments that were received during the 30-day public review period. The comment letters are included for consideration by the decision makers along with written response to comments which have been drafted and included for the record.

Written comments were received from the following:

<i>Letter No.</i>	<i>Commenter</i>	<i>Affiliation</i>	<i>Date</i>
1	Scott Morgan	California Office of Planning and Research – State Clearinghouse and Planning Unit	January 28, 2013
2	Dave Singleton	Native American Heritage Commission	January 29, 2013
3	Dianna Watson	California Department of Transportation	February 6, 2013

All Comments letters have been provided in Section 7.3 of this document.

7.2 Response to Comments

Letter 1, Scott Morgan, California Office of Planning and Research – State Clearinghouse and Planning Unit:

Comment 1-1: The review period end date has been corrected to February 25, 2013.

Response 1-1: Thank you for your memorandum to the reviewing agencies to whom you distributed this document correcting the review period end date.

Letter 2, Dave Singleton, Native American Heritage Commission (NAHC):

Comment 2-1: The Native American Heritage Commission has reviewed the Notice of Preparation (NOP) regarding the project. To adequately comply with CEQA guideline 15064(b) and mitigate project-related impacts on archaeological resources, the NAHC recommends required actions.

Contact the appropriate Information Center for a record search to determine:

- If a part or all of the area of project effect (APE) has been previously surveyed for cultural resources.
- If any known cultural resources have already been recorded on or adjacent to the APE.
- If the probability is low, moderate, or high that cultural resources are located in the APE.
- If a survey is required to determine whether previously unrecorded cultural resources are present.

If an archaeological inventory survey is required, the final stage is the preparation of a professional report detailing the findings and recommendations of the records search and field survey.

- The final report containing site forms, site significance, and mitigation measures should be submitted immediately to the planning department. All information regarding site locations, Native American human remains, and associated funerary objects should be in a separate confidential addendum, and not be made available for public disclosure.
- The final written report should be submitted within 3 months after work has been completed to the appropriate regional archaeological Information Center.

Contact the Native American Heritage Commission for:

- A Sacred Lands File Check.
- A list of appropriate Native American Contacts for consultation concerning the project site and to assist in the mitigation measures.

Lack of surface evidence of archeological resources does not preclude their subsurface existence.

- Lead agencies should include in their mitigation plan provisions for the identification and evaluation of accidentally discovered archeological resources, per California Environmental Quality Act (CEQA) §15064.5(f). In areas of identified archaeological sensitivity, a certified archaeologist and a culturally affiliated Native American, with knowledge in cultural resources, should monitor all ground-disturbing activities.
- Lead agencies should include in their mitigation plan provisions for the disposition of recovered artifacts, in consultation with culturally affiliated Native Americans.
- Lead agencies should include provisions for discovery of Native American human remains in their mitigation plan. Health and Safety Code §7050.5, CEQA §15064.5(e), and Public Resources Code §5097.98 mandates the process to be followed in the event of an accidental discovery of any human remains in a location other than a dedicated cemetery.

Response 2-1: Thank you for your comments and information on the NAHC role as a trustee agency for the protection and preservation of Native American cultural resources. For clarification, an NOP, which is required upon determination that EIR will need to be prepared, was not prepared for this project. Findings from the Initial Study found that impacts to environmental resources, including cultural resources, can be mitigated to a level that is less than significant. Consistent with Guidelines Section 15072, the County issued a Notice of Intent to adopt a Mitigated Negative Declaration. The site is paved and contains several storage buildings and an old trailer. No known cultural resources exist on the campus and there is a low probability that such artifacts occur on site given the disturbed nature of the setting. As is the case with most projects that involve excavation and grading activities, the possibility exists for previously unknown resources to be uncovered. Proposed Mitigation Measures CR1 through CR3 identified in the Initial Study will address previously unknown resources, as recommended by the NAHC.

Letter 3, Dianna Watson, California Department of Transportation:

Comment 3-1: The project only generates 55 vehicle trips per weekday. The project will not contribute significant impact to the state facilities.

Response 3-1: Thank you for your comments. This comment identifies future vehicular trips, and confirms that Initial Study's findings that there will not be significant impacts to state

highways. No response is required as this comment does not question the content or analysis found in the Initial Study.

Comment 3-2: Storm water run-off is a sensitive issue for Los Angeles and Ventura counties. Please be mindful that projects should be designed to discharge clean run-off water.

Response 3-2: This comment requests that the project be designed to discharge only clean water run-off. The proposed project is required to comply with all NPDES permit requirements with respect to stormwater runoff. Section 4.9 (Hydrology and Water Quality) of the Initial Study addresses issues related to run-off discharge. As discussed in Section 4.9, the construction contractor would utilize Best Management Practices (BMPs) such as erosion control measures, restrictions on construction vehicle maintenance, good site keeping practices consistent with the Stormwater Quality Management Program (SQWMP), to reduce pollution in stormwater discharge to levels that comply with applicable water quality standards. Compliance with the requirements of the SQWMP and Standard Urban Stormwater Mitigation Plan (SUSMP) would ensure that each individual development constructed in the Basin would not contribute concentrations of pollutants that would be expected to cause or contribute to a violation of a water quality standard and would maintain the beneficial uses of recipient water bodies and impacts would be less than significant.

Comment 3-3: Additionally, discharge of storm water run-off is not permitted onto State highway facilities without any storm water management plan.

Response 3-3: This comment pertains to the requirement of a storm water management plan for storm water run-off onto State highway facilities. The project is not anticipated to discharge storm water run-off onto State highway facilities. Existing site runoff sheet flows to a network of curb and gutters where it is collected and conveyed to the improved storm drain system. Project design would retain existing drainage patterns on site with surface water runoff discharging into the existing drainage network. No state highway facilities would be impacted by the project.

Comment 3-4: Transportation of heavy construction equipment and/or materials, which requires the use of oversized-transport vehicles on State highways, will require a transportation permit from Caltrans. It is recommended that large size truck trips be limited to off-peak commute periods.

Response 3-4: This comment pertains in part to the requirement for a transportation permit for heavy construction equipment and/or materials on State highways. As discussed in the project description, based on the known horizontal and lateral extent of contamination, approximately 74 cubic yards of earth requires excavation and removal for off-site disposal resulting in approximately 9 heavy truck trips. The site would be backfilled in preparation for grading activities with an equivalent volume of clean soil for total of 18 heavy truck trips needed to complete soil remediation. This is a small number of truck trips relative to the volume of vehicular traffic of the roadway network. The California Department of Transportation is identified in Section 3.0 as an agency in which the County will require approval from.

7.3 Comment Letters

Letter 1



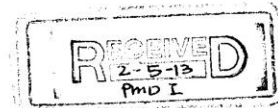
Edmund G. Brown Jr.
Governor

STATE OF CALIFORNIA
Governor's Office of Planning and Research
State Clearinghouse and Planning Unit



Ken Alex
Director

Memorandum



Date: January 28, 2013
To: All Reviewing Agencies
From: Scott Morgan, Director
Re: SCH # 2013011033
San Fernando High School Teen Health Center

The State Clearinghouse forwarded the above-mentioned project to your agency for review on January 24, 2013 with incorrect review dates. Please make note of the following information for your files:

1-1

Review period ends: **February 25, 2013**

We apologize for any inconvenience this may have caused. All other project information remains the same.

cc: William Honda
County of Los Angeles c/o Dept. of Public Works
900 S. Fremont Avenue, 5th Floor
Alhambra, CA 91803

1400 TENTH STREET P.O. BOX 3044 SACRAMENTO, CALIFORNIA 95812-3044
TEL (916) 445-0613 FAX (916) 323-3018 www.opr.ca.gov

Print Form

Appendix C

Notice of Completion & Environmental Document Transmittal

Mail to: State Clearinghouse, P.O. Box 3044, Sacramento, CA 95812-3044 (916) 445-0613
 For Hand Delivery/Street Address: 1400 Tenth Street, Sacramento, CA 95814

SCH# 2013011033

Project Title: San Fernando High School Teen Health Center
 Lead Agency: County of Los Angeles c/o Dept of Public Works Contact Person: William Honda
 Mailing Address: 900 S. Fremont Avenue, 5th Floor Phone: (626) 300-2360
 City: Alhambra Zip: 91803 County: Los Angeles
 Project Location: County: Los Angeles City/Nearest Community: Los Angeles/Arieta-Pacoima Community
 Cross Streets: North O'Melveny Avenue and Chamberlain Street Zip Code: 91340
 Longitude/Latitude (degrees, minutes and seconds): 34° 16' 15.2" N / 118° 26' 26.3" W Total Acres: 40
 Assessor's Parcel No.: 2616011901 Section: Twp.: Range: Base:
 Within 2 Miles: State Hwy #: I-5, SR-118 Waterways: Pacoima Wash
 Airports: San Fernando, Whiteman Railways: Metrolink Schools: San Fernando HS

Document Type:

CEQA: ☐ NOP ☐ Draft EIR NEPA: ☐ NOI Other: ☐ Joint Document
☐ Early Cons ☐ Supplement/Subsequent EIR ☐ EA ☐ Final Document
☐ Neg Dec (Prior SCH No.) ☐ Draft EIS ☐ Other:
☒ Mit Neg Dec Other:

Local Action Type:

☐ General Plan Update ☐ Specific Plan ☐ Rezone ☐ Annexation
☐ General Plan Amendment ☐ Master Plan ☐ Prezone ☐ Redevelopment
☐ General Plan Element ☐ Planned Unit Development ☐ Use Permit ☐ Coastal Permit
☐ Community Plan ☒ Site Plan ☐ Land Division (Subdivision, etc.) ☐ Other:

Development Type:

☐ Residential: Units _____ Acres _____ Employees _____ ☐ Transportation: Type _____
☐ Office: Sq. ft. _____ Acres _____ Employees _____ ☐ Mining: Mineral _____
☐ Commercial: Sq. ft. _____ Acres _____ Employees _____ ☐ Power: Type _____ MW
☐ Industrial: Sq. ft. _____ Acres _____ Employees _____ ☐ Waste Treatment: Type _____ MGD
☐ Educational: _____ ☐ Hazardous Waste: Type _____
☐ Recreational: _____ ☒ Other: Health Center
☐ Water Facilities: Type _____ MGD

Project Issues Discussed in Document:

☒ Aesthetic/Visual ☐ Fiscal ☒ Recreation/Parks ☒ Vegetation
☒ Agricultural Land ☒ Flood Plain/Flooding ☒ Schools/Universities ☒ Water Quality
☒ Air Quality ☒ Forest Land/Fire Hazard ☒ Septic Systems ☒ Water Supply/Groundwater
☒ Archeological/Historical ☒ Geologic/Seismic ☒ Sewer Capacity ☒ Wetland/Riparian
☒ Biological Resources ☒ Minerals ☒ Soil Erosion/Compaction/Grading ☒ Growth Inducement
☒ Coastal Zone ☒ Noise ☒ Solid Waste ☒ Land Use
☒ Drainage/Absorption ☒ Population/Housing Balance ☒ Toxic/Hazardous ☒ Cumulative Effects
☐ Economic/Jobs ☒ Public Services/Facilities ☐ Traffic/Circulation ☐ Other:

Present Land Use/Zoning/General Plan Designation:

Public Facilities Zone, RA Suburban Zone/ Public Facilities General Plan designation

Project Description: (please use a separate page if necessary)

The proposed project consists of the construction of a standalone building to house a school based Teen Health Center. Presently, existing clinic health services take place in two modular buildings on campus that accommodate the health, administrative and mental health services offices. Current clinic health services include sports and comprehensive child physicals, chronic disease care (i.e. asthma management), immunizations, mental health counseling, family planning, pregnancy prevention, health counseling, case management, and referral to specialty care services to students of San Fernando High School, Mission Continuation School, and McAlister School for Pregnant and Parenting Teens and their dependents. The project proposes to consolidate existing health services offered on campus and expand services to include dental which is not currently provided.

State Clearinghouse Contact:

(916) 445-0613

Bk

Project Sent to the following State Agencies

State Review Began:

1.24.2013

SCH COMPLIANCE

2.25.2013

Note: Review for lead

Please note State Clearinghouse Number
 (SCH#) on all Comments

2013011033

SCH#:

Please forward late comments directly to the
 Lead Agency

AQMD APCD 33

(Resources: 1.26)

☒ Resources
☐ Boating & Waterways
☐ Coastal Comm
☐ Colorado Rvr Bd
☐ Conservation
☒ CDFW # 5
☐ Delta Protection Comm
☐ Cal Fire
☐ Historic Preservation
☒ Parks & Rec
☐ Central Valley Flood Prot.
☐ Bay Cons & Dev Comm.
☒ DWR
☐ Cal EMA
☐ Resources, Recycling and Recovery
☒ Bus Transp Hous
☒ Aeronautics
☒ CHP
☒ Caltrans # 7
☐ Trans Planning
☐ Housing & Com Dev
☐ Food & Agriculture
☐ Public Health
☐ State/Consumer Svcs
☒ General Services
☐ Cal EPA
☐ ARB: Airport/Energy Projects
☐ ARB: Transportation Projects
☐ ARB: Major Industrial Projects
☐ SWRCB: Div. Financial Assist.
☐ SWRCB: Wtr Quality
☐ SWRCB: Wtr Rights
☒ Reg. WQCB # 4
☒ Toxic Sub Ctrl-CTC
☐ Yth/Adlt Corrections
☐ Corrections
☐ Independent Comm
☐ Energy Commission
☒ NAHC
☒ Public Utilities Comm
☐ State Lands Comm
☐ Tahoe Rgl Plan Agency
☒ SCH PD
☐ Conservancy

Letter 2

STATE OF CALIFORNIA

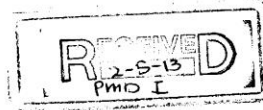
Arnold Schwarzenegger, Governor

NATIVE AMERICAN HERITAGE COMMISSION

915 CAPITOL MALL, ROOM 364
 SACRAMENTO, CA 95814
 (916) 653-4082
 (916) 657-5390 - Fax



January 29, 2013



Mr. William Honda, Project Planner
County of Los Angeles Department of Public Works
 900 South Fremont Avenue, 5th Floor
 Alhambra, CA 91803

RE: SCH# 2013011033 – San Fernando High School Teen Health Center – Los Angeles County

Dear Mr. Honda:

The Native American Heritage Commission has reviewed the Notice of Preparation (NOP) regarding the above referenced project. The California Environmental Quality Act (CEQA) states that any project that causes a substantial adverse change in the significance of an historical resource, which includes archeological resources, is a significant effect requiring the preparation of an EIR (CEQA guidelines 15064(b)). To adequately comply with this provision and mitigate project-related impacts on archaeological resources, the Commission recommends the following actions be required:

- ✓ Contact the appropriate Information Center for a record search to determine:
 - If a part or all of the area of project effect (APE) has been previously surveyed for cultural resources.
 - If any known cultural resources have already been recorded on or adjacent to the APE.
 - If the probability is low, moderate, or high that cultural resources are located in the APE.
 - If a survey is required to determine whether previously unrecorded cultural resources are present.
- ✓ If an archaeological inventory survey is required, the final stage is the preparation of a professional report detailing the findings and recommendations of the records search and field survey.
 - The final report containing site forms, site significance, and mitigation measures should be submitted immediately to the planning department. All information regarding site locations, Native American human remains, and associated funerary objects should be in a separate confidential addendum, and not be made available for public disclosure.
 - The final written report should be submitted within 3 months after work has been completed to the appropriate regional archaeological Information Center.
- ✓ Contact the Native American Heritage Commission for:
 - A Sacred Lands File Check.
 - A list of appropriate Native American Contacts for consultation concerning the project site and to assist in the mitigation measures. **Native American Contact List Attached**
- ✓ Lack of surface evidence of archeological resources does not preclude their subsurface existence.
 - Lead agencies should include in their mitigation plan provisions for the identification and evaluation of accidentally discovered archeological resources, per California Environmental Quality Act (CEQA) §15064.5(f). In areas of identified archaeological sensitivity, a certified archaeologist and a culturally affiliated Native American, with knowledge in cultural resources, should monitor all ground-disturbing activities.
 - Lead agencies should include in their mitigation plan provisions for the disposition of recovered artifacts, in consultation with culturally affiliated Native Americans.
 - Lead agencies should include provisions for discovery of Native American human remains in their mitigation plan. Health and Safety Code §7050.5, CEQA §15064.5(e), and Public Resources Code §5097.98 mandates the process to be followed in the event of an accidental discovery of any human remains in a location other than a dedicated cemetery.

2-1

Sincerely,

Dave Singleton
 Dave Singleton
 Program Analyst
 (916) 653-6251

CC: State Clearinghouse

Attachment: Native American Contacts list

**Native American Contacts
Los Angeles County
January 28, 2013**

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3175 West 6th St, Rm. 403
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randrade@css.lacounty.gov
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(213) 386-3995 FAX

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calvitre@yahoo.com
(714) 504-2468 Cell

Gabrielino Tongva Indians of California Tribal Council
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562-761-6417 - voice
562-761-6417- fax

Tongva Ancestral Territorial Tribal Nation
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tattnlaw@gmail.com
310-570-6567

Gabrielino-Tongva Tribe
Bernie Acuna, Co-Chairperson
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bacuna1@gabrieinotribe.org

Gabrielino/Tongva San Gabriel Band of Mission
Anthony Morales, Chairperson
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(626) 286-1758 - Home
(626) 286-1262 -FAX

Gabrielino-Tongva Tribe
Linda Candelaria, Co-Chair
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Bonsall , CA 92003
palmsprings9@yahoo.com
626-676-1184- cell
(760) 636-0854 - FAX

This list is current only as of the date of this document.

Distribution of this list does not relieve any person of the statutory responsibility as defined in Section 7050.5 of the Health and Safety Code, Section 5097.94 of the Public Resources Code and Section 5097.98 of the Public Resources Code.

This list is applicable for contacting local Native Americans with regard to cultural resources for the proposed SCH#2013011033; CEQA Notice of Completion; proposed Mitigated Negative Declaration; for the San Fernando High School Teen Health Center Project; located in the City of Los Angeles; Los Angeles County, California.

**Native American Contacts
Los Angeles County
January 28, 2013**

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Gabrielino-Tongva Tribe
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760-636-0854 - FAX

This list is current only as of the date of this document.

Distribution of this list does not relieve any person of the statutory responsibility as defined in Section 7050.5 of the Health and Safety Code, Section 5097.94 of the Public Resources Code and Section 5097.98 of the Public Resources Code.

This list is applicable for contacting local Native Americans with regard to cultural resources for the proposed SCH#2013011033; CEQA Notice of Completion; proposed Mitigated Negative Declaration; for the San Fernando High School Teen Health Center Project; located in the City of Los Angeles; Los Angeles County, California.

Letter 3

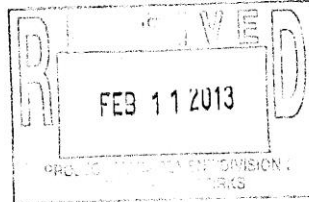
STATE OF CALIFORNIA—BUSINESS, TRANSPORTATION AND HOUSING AGENCY

EDMUND G. BROWN, JR., Governor

DEPARTMENT OF TRANSPORTATION
 DISTRICT 7, REGIONAL PLANNING
 IGR/CEQA BRANCH
 100 MAIN STREET, MS # 16
 LOS ANGELES, CA 90012-3606
 PHONE: (213) 897-9140
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February 6, 2013

Mr. William Honda
 County of Los Angeles
 Department of Public Works
 900 S. Fremont Avenue, 5th Floor
 Alhambra, CA 91803

IGR/CEQA No. 130127AL-MND
 San Fernando High School Teen Health Center
 Vic. LA-05 / PM 39.704, LA-118 / PM R12.385
 SCH # 2013011033

Dear Mr. Honda:

Thank you for including the California Department of Transportation (Caltrans) in the environmental review process for the above referenced project. The proposed project consists of the construction of a standalone building to house a school based Team Health Center.

The project only generates 58 vehicle trips per weekday. The project will not contribute significant impact to the State facilities.

3-1

Storm water run-off is a sensitive issue for Los Angeles and Ventura counties. Please be mindful that projects should be designed to discharge clean run-off water. Additionally, discharge of storm water run-off is not permitted onto State highway facilities without any storm water management plan.

3-2

3-3

Transportation of heavy construction equipment and/or materials, which requires the use of oversized-transport vehicles on State highways, will require a transportation permit from Caltrans. It is recommended that large size truck trips be limited to off-peak commute periods.

3-4

If you have any questions, please feel free to contact Alan Lin the project coordinator at (213) 897-8391 and refer to IGR/CEQA No. 130127AL.

Sincerely,

DIANNA WATSON
 IGR/CEQA Branch Chief

cc: Scott Morgan, State Clearinghouse

"Caltrans improves mobility across California"

8.0 MITIGATION MONITORING AND REPORTING PLAN

8.1 Introduction

This document constitutes the Mitigation Monitoring and Reporting Program (MMRP) for the proposed San Fernando High School Teen Health Center project. It has been prepared pursuant to the requirements of Public Resources Code §21081.6 which requires all state and local agencies to establish monitoring or reporting programs whenever approval of a project relies upon a MND. The monitoring or reporting program must ensure implementation of the measures being imposed to mitigate or avoid the significant adverse environmental impacts identified in the MND.

8.2 Purpose of the Mitigation, Monitoring, and Reporting Program

This MMRP has been prepared to ensure that all required mitigation measures are implemented and completed according to schedule and maintained in a satisfactory manner during construction and implementation activities pursuant to the San Fernando High School Teen Health Center project, as required. A summary table, **Table 8-1**, located at the end of this section, has been prepared to assist the responsible parties in implementing the MMRP. **Table 8-1** identifies individual mitigation measures, monitoring/mitigation timing, responsible person/agency for implementing the measure, monitoring procedures, and a record of implementation of the mitigation measures. The numbering of mitigation measures follows the numbering sequence found in the MND.

8.3 Roles and Responsibilities

Unless otherwise specified herein, the County of Los Angeles, Department of Public Works (County) is responsible for taking all actions necessary to implement the mitigation measures according to the specifications provided for each measure and for demonstrating that the action has been successfully completed. The County at its discretion may delegate implementation responsibility or portions thereof to other parties such as a project applicant or licensed contractor.

The County will be responsible for overall administration of the MMRP and for verifying that County staff or other responsible party has completed the necessary actions for each measure. The County will designate a project manager to oversee implementation of the MMRP.

8.4 Mitigation, Monitoring, and Reporting Program Summary Table

Table 8-1, MMRP Summary Table, that follows should guide the County in its evaluation and records of the implementation of mitigation measures.

The column categories identified in the MMRP Summary Table are described below:

- Mitigation Number — lists the mitigation measures by number.
- Mitigation Measure — provides the text of the mitigation measures identified in the MND.
- Timing/Schedule — lists the time frame in which the mitigation will take place.

- Implementation Responsibility — identifies the entity responsible for complying with the requirements of the mitigation measure.
- Implementation and Verification — verifies compliance. These fields are to be completed as the MMRP is implemented. The "Action" column describes the type of action taken to verify implementation. The "Date Completed" column is to be dated and initialed by the project manager, or his/her designee, based on the documentation provided by implementing parties, or through personal verification by County representatives.

Table 8-1: Mitigation Monitoring and Reporting Plan

Mitigation Measure	Time Frame for Implementation & Monitoring	Responsible Monitoring Agency	Verification of Compliance		
			Initials	Date	Remarks
Biological Resources					
Mitigation Measure B1: Two biological surveys shall be conducted, one 15 days prior and a second 72 hours prior to construction that would remove or disturb suitable nesting habitat. The surveys shall be performed by a biologist with experience conducting breeding bird surveys. The biologist shall prepare survey reports documenting the presence or absence of protected native bird in the habitat to be removed and other such habitat within 300 feet of the construction work area (within 500 feet for raptors). If a protected native bird is found, surveys will be continued in order to locate nests. If an active nest is located, construction within 300 feet of the nest (500 feet for raptor nests) will be postponed until the nest is vacated and juveniles have fledged and when there is no evidence of a second attempt at nesting.	Prior to construction	County of Los Angeles – Department of Public Works			
Cultural Resources					
Mitigation Measure CR1: In the event a previously unrecorded archeological deposit is encountered during construction, all activity shall cease in the vicinity of the find and redirected elsewhere. An archeologist meeting the Secretary of Interior’s Professional Qualifications for Archeology as defined at 36 CFR Part 61, Appendix A (Professional Archeologist) will be contracted to determine: 1) If the archeological deposits meet the CEQA definition	During construction activities	County of Los Angeles – Department of Public Works			

Mitigation Measure	Time Frame for Implementation & Monitoring	Responsible Monitoring Agency	Verification of Compliance		
			Initials	Date	Remarks
of historical (State CEQA Guidelines 15064.5(a)) and or unique archeological resource (Public Resources Code 21083.2(g)); and 2) make recommendations on the treatment of the deposits. The recommendations shall be developed in accordance with applicable provisions of Public Resource Code Section 21083.2 and State CEQA Guidelines 15064.5 and 15126.4. The applicant shall follow all final recommendations made by the archeologist as a condition for construction continuation in the vicinity of the find.					
Mitigation Measure CR2: In the event that paleontological resources are encountered during grading or excavation, all earth-moving activities shall cease until the paleontological resources are properly assessed and an appropriate treatment plan is determined. The applicant shall contract with a qualified paleontologist to determine: 1) If the deposits meet the CEQA definition of historical (State CEQA Guidelines 15064.5(a)) and or unique archeological resource (Public Resources Code 21083.2(g)); and 2) make recommendations on the treatment of the deposits. The recommendations shall be developed in accordance with applicable provisions of Public Resource Code § 21083.2 and State CEQA Guidelines 15064.5 and 15126.4. The applicant shall follow all final recommendations made by the paleontologist. The paleontologist must complete a report of the excavations and findings and submit the report to the Office of Historic Preservation. Upon approval of the report, the County must submit it to the Los Angeles Archeological Information Center and keep the report on file with the County of Los	During construction activities	County of Los Angeles – Department of Public Works			

Mitigation Measure	Time Frame for Implementation & Monitoring	Responsible Monitoring Agency	Verification of Compliance		
			Initials	Date	Remarks
Angeles. Work may resume after the find has been appropriately mitigated.					
Mitigation Measure CR3: If human remains are discovered, there shall be no further disturbance of the site or nearby areas suspected to overlie human remains until the County Coroner has been notified and examined the remains. No disposition of such human remains shall occur, other than in accordance with the procedures and requirements set forth in California Health and Safety Code § 7050.5 and Public Resources Code § 5097.98. The Coroner shall notify the Native American Heritage Commission (NAHC) if remains are thought to be of Native American origin. If Native American remains are discovered, then the NAHC shall notify those persons believed to be the most likely descendants of the deceased Native American for appropriate disposition of the remains.	During construction activities	County of Los Angeles – Department of Public Works			
Geology/Soils					
Mitigation Measure GS1: Recommendations and design parameters for earthwork, foundations, pavements, and other pertinent geotechnical design considerations formulated during the geotechnical evaluation and provided in the Geoseismic/Geotechnical Study Report shall be implemented during project design and construction.	Project design; During construction activities	County of Los Angeles – Department of Public Works			

Mitigation Measure	Time Frame for Implementation & Monitoring	Responsible Monitoring Agency	Verification of Compliance		
			Initials	Date	Remarks
Noise					
Mitigation Measure N-1: The construction contractor shall implement noise attenuation measures to reduce exterior noise levels during construction to 70 dBA or less as measured at 50 feet from the active piece of equipment. A number of measures are available to attenuate construction related noise including, but not limited to: <ul style="list-style-type: none">• provide temporary shields and noise barriers such as sound blankets that are a minimum of six feet in height between the areas of active construction and sensitive receivers.• turn off construction equipment when not in use.• ensure that all construction equipment, fixed or mobile, is properly operating (tuned-up) and that mufflers are working adequately.	During construction activities	County of Los Angeles – Department of Public Works			
Mitigation Measure N-2: Construction activities shall be prohibited between the hours of 7:00 p.m. and 7:00 a.m. Monday through Friday, and on weekends or holidays consistent with the Noise Control Ordinance of the Los Angeles County Code (Section 12.08.440).	During construction activities	County of Los Angeles – Department of Public Works			
Mitigation Measure N-3: The construction contractor shall provide advance notice of the start of construction to all noise sensitive receptors,	Prior to construction	County of Los Angeles – Department of Public Works			

Mitigation Measure	Time Frame for Implementation & Monitoring	Responsible Monitoring Agency	Verification of Compliance		
			Initials	Date	Remarks
businesses, and residences adjacent to the project area. The announcement shall state specifically where and when construction activities will occur, and provide contact information for filing noise complaints.					
Mitigation Measure N-4: The construction contractor shall coordinate with the school principal prior to construction activity in order to schedule high noise producing events to minimize disruption on classroom activities.	Prior to construction	County of Los Angeles – Department of Public Works			
Mitigation Measure N-5: In compliance with LAUSD requirements, the construction contractor shall not exceed exterior noise levels of 70 dBA at the school site. In the event of complaints by nearby residents or receptors, the contractor shall monitor noise from the construction activity to ensure that construction noise does not exceed limits specified in the noise regulations.	During construction activities	County of Los Angeles – Department of Public Works			

APPENDIX A

Air Quality and Greenhouse Gas Study

AIR QUALITY AND GREENHOUSE GAS STUDY

SAN FERNANDO HIGH SCHOOL TEEN CENTER COUNTY OF LOS ANGELES, CALIFORNIA

Prepared for:

Los Angeles County Department of Public Works
900 So. Fremont Avenue, 5th Floor
Alhambra, CA 91803-1331

Prepared by:



UltraSystems Environmental Inc.
16431 Scientific Way
Irvine, California 92618

December 2012

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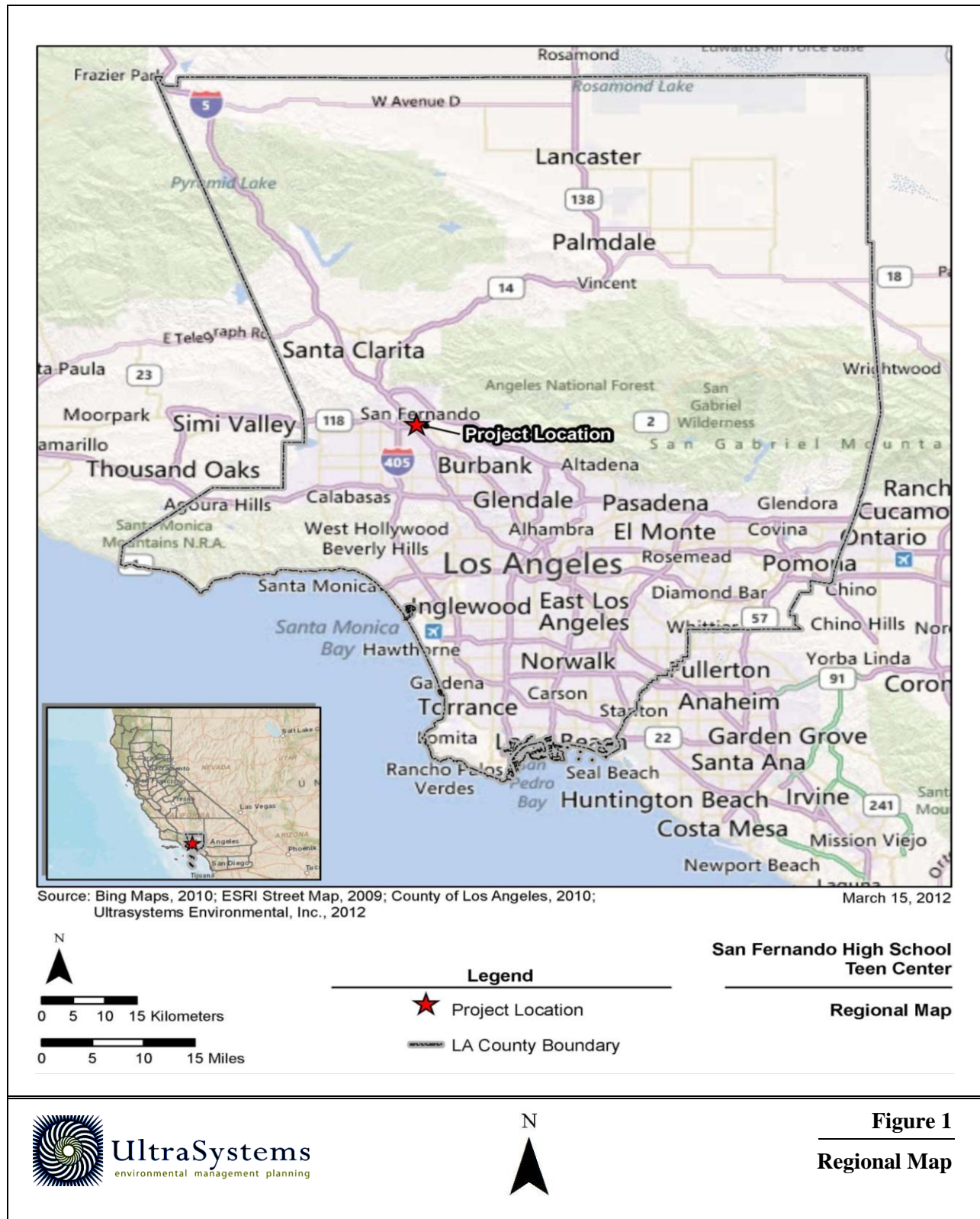
1.0 INTRODUCTION

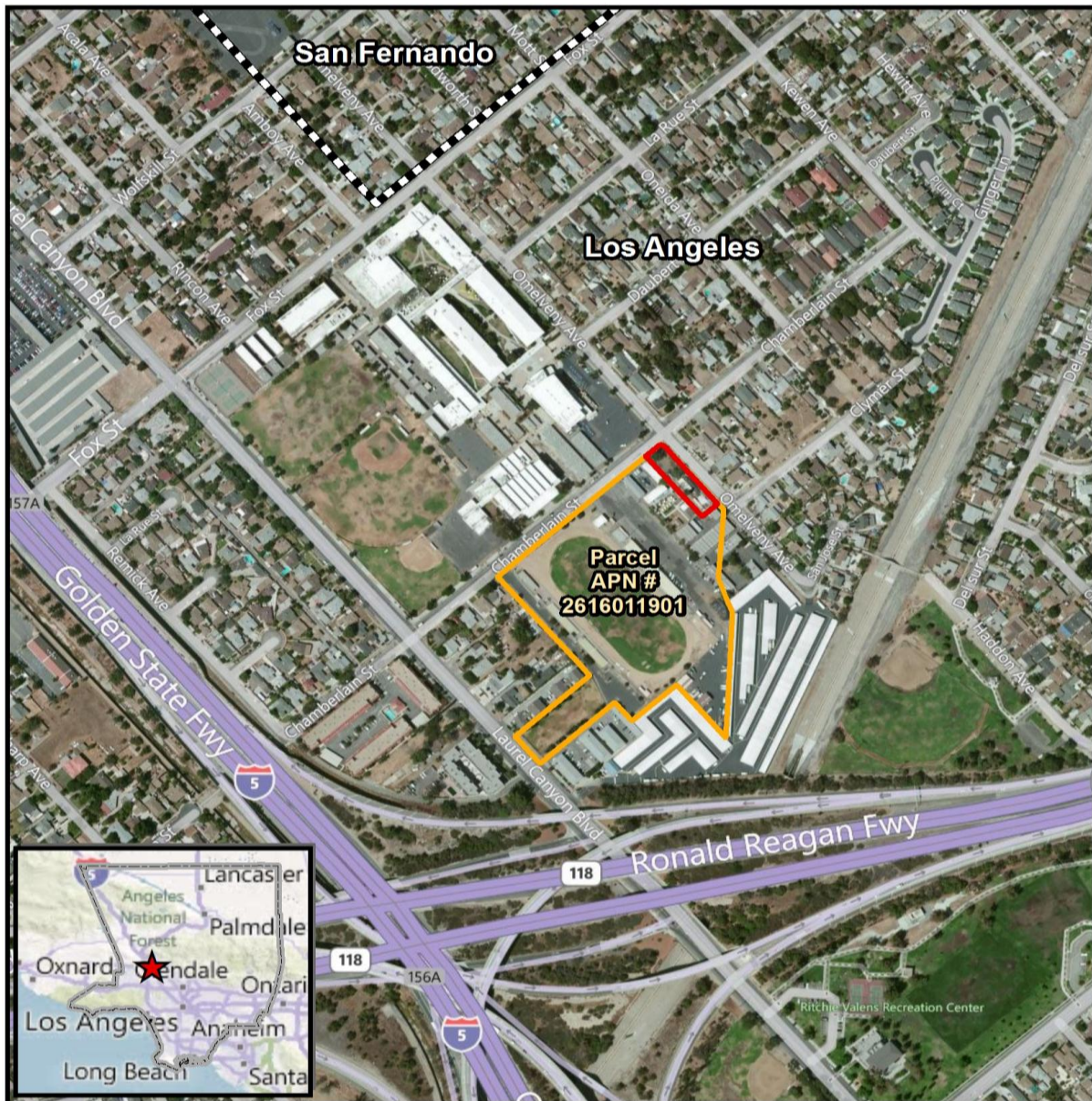
The County of Los Angeles Department of Public Works is preparing to construct a school based Teen Health Center to be operated within the premises of Los Angeles Unified School District's (LAUSD) San Fernando High School, located within the City of Los Angeles. **Figure 1**, *Regional Map* and **Figure 2**, *Vicinity Map*, present a regional map of the project study area and a map of the area surrounding the project, respectively.

The objectives of this report are to assess the regional and local impacts of the project on air quality and to estimate and evaluate the project's greenhouse gas (GHG) emissions. The 2010 revisions to the California Environmental Quality Act (CEQA) require that GHG and climate change issues be discussed in a separate section of environmental documents. However, because the some of the same data sets and many of the same methods were used to estimate criteria air pollutant and GHG emissions, it was more efficient to discuss the two topics in one report.

The following analysis provides a project description, describes existing regional and local air quality and the regulatory environment, estimates criteria air pollutant and GHG emissions from project construction and operation, evaluates potential noise impacts associated with the proposed project; and identifies mitigation measures for identified significant or potentially significant impacts. The analysis was based largely upon the South Coast Air Quality Management District's (SCAQMD's) *CEQA Air Quality Handbook*.¹

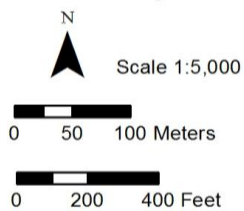
¹ South Coast Air Quality Management District, CEQA Air Quality Handbook. Diamond Bar, California. 1993. Partially updated 2006.





Source: Los Angeles County, 2011; Bing Maps, 2011; UltraSystems Environmental, Inc., 2011.

November 1, 2011



Legend

- Project Area Boundary
- Project Parcel Boundary
- City Boundary

**San Fernando
H. S. Health Center
Project Location Map**
Map displaying parcel
identification and project
site location in relationship
to the local geography



Figure 2
Vicinity Map

2.0 PROJECT DESCRIPTION

2.1 Project Description

Figure 3, *Site Layout Plan*, depicts proposed changes to the existing layout. The proposed project consists of constructing a single story facility, approximately 5,000 square feet, containing four medical and two dental examination rooms, four counseling offices, business offices, a sterilization room, dispensary, laboratory, a nurse's station, and a conference room. Construction of the proposed project will take place on the corner of North O'Melveny Avenue and Chamberlain Street, where eleven public parking stalls will be available as well as an internal access road connecting the proposed facility to Chamberlain Road. All existing structures will be demolished and removed. **Table 1, *Proposed Components of the San Fernando High School Teen Health Center***, shows the areas of the proposed project elements.

Table 1 – Proposed Components of the San Fernando High School Teen Health Center

Project Component	Approximate Area (Square Feet)
Medical Center	5,500
Parking Lot	2,620
Source: UltraSystems Environmental Inc., and Los Angeles County Department of Public Works	

The school based Teen Health Center will draw students from ZIP codes 91340 (San Fernando) and 91331 (Pacoima), both of which, combined, account for 130,673 residents. Within these two ZIP codes, 25,055 individuals and 4,226 families live below the Federal poverty level.

The traffic entering and leaving the vicinity is estimated to consist of approximately 58 total vehicle trips per day from thirteen employees, four medical residents, one patient, and two corporate deliveries and management visits.² The facility will run on a 40-hours-per-week schedule, from 7:30 a.m. to 4:30 p.m., Monday through Friday; operating hours exclude Saturday and Sunday. The proposed facility would receive roughly 4,000 visits per year for 1,266 patient users, servicing students of SFHS, Mission Continuation, and McAlister School.³

² Rutherford, K. Letter report by VA Consulting, Inc., Irvine, California to Ken Koch, UltraSystems Environmental, Inc., El Dorado Hills, California (March 20, 2012), p. 2.

³ Emailed communication of data from Ken Koch, UltraSystems Environmental, Inc., El Dorado Hills, CA, to Michael Rogozen, UltraSystems Environmental, Inc., Irvine, California (March 9, 2012).

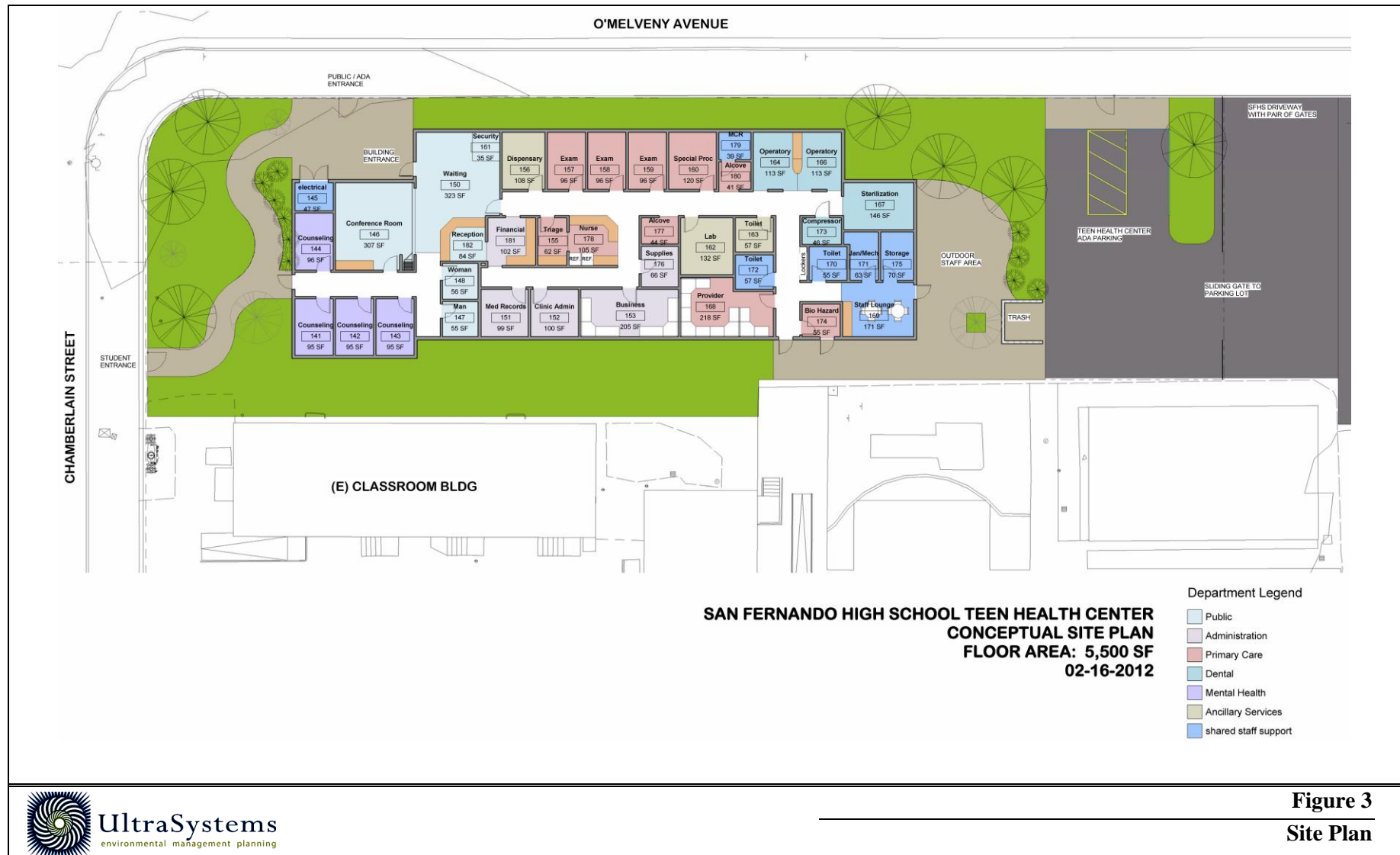


Figure 3
Site Plan

3.0 REGULATORY SETTING AND EXISTING AIR QUALITY

The proposed Teen Health Center lies within the City of Los Angeles, which is in the South Coast Air Basin (SCAB). The SCAB includes all of Orange County, the non-desert portions of Los Angeles County, most of Riverside County, and the western portion of San Bernardino County, including portions of the previously known Southeast Desert Air Basin. The proposed project lies in the northwestern part of Los Angeles County. The neighboring areas include the Cities of North Hills and Simi Valley towards the southeast, the City of Burbank to the southwest, the City of Santa Clarita to the northeast, and Los Angeles National Forest to the northwest. The federal government has designated the City of Los Angeles as a medically underserved area.

3.1 Pollutants of Concern

This evaluation addresses two general categories of air pollutants, which may be emitted during project construction and/or operation. “Criteria pollutants” are those for which ambient air quality standards have been set or are precursors to those having ambient air quality standards. Hazardous air pollutants (HAPs), also known as toxic air contaminants (TACs), are individual compounds or mixtures that may cause or contribute to an increase in mortality or an increase in serious illness, or which may pose a present or potential hazard to human health. A third category, greenhouse gases (GHG), are compounds that absorb long-wave radiation and therefore block transmission of heat through the atmosphere; they have been implicated in global climate change.

3.1.1 Criteria Pollutants

The “criteria” air pollutants of concern are ozone, carbon monoxide, particulate matter, oxides of nitrogen, sulfur dioxide, and lead. For these pollutants, both federal and State ambient air quality standards (as maximum concentration levels of pollutants) have been established to protect public health and welfare. Since the proposed project has no significant sources of emissions of sulfur dioxide or lead, they are not discussed in this analysis. Presented below are descriptions of the criteria pollutants of concern and their known health effects.

Nitrogen Oxides (NO_x)

Nitrogen oxides serve as integral participants in the process of photochemical smog production. The two major forms of NO_x are nitric oxide (NO) and nitrogen dioxide (NO₂). NO is a colorless, odorless gas formed from atmospheric nitrogen and oxygen when combustion takes place under high temperature and/or high pressure. NO₂ is a reddish-brown pungent gas formed by the combination of NO and oxygen. NO₂ acts as an acute respiratory irritant and eye irritant, and increases susceptibility to respiratory pathogens. A third form of NO_x, nitrous oxide (N₂O), is a GHG, and is discussed in **Section 3.1.2**.

Carbon Monoxide (CO)

Carbon monoxide is a colorless, odorless non-reactive pollutant produced by incomplete combustion of carbon substances (e.g., gasoline or diesel fuel). The primary adverse health effect associated with CO is its binding with hemoglobin in red blood cells, which decreases the ability of these cells to transport oxygen throughout the body. Prolonged exposure can cause headaches, drowsiness or equilibrium, and high concentrations are lethal.

Particulate Matter (PM)

Particulate matter consists of finely divided solids or liquids, such as soot, dust, aerosols, fumes and mists. Two forms of fine particulate are now regulated. Respirable particles, or PM₁₀, include that portion of the particulate matter with an aerodynamic diameter of 10 micrometers (i.e., 10 millionths of a meter or 0.0004 inch) or less. Fine particles, or PM_{2.5}, have an aerodynamic diameter of 2.5 micrometers (i.e., 2.5 millionths of a meter or 0.0001 inch) or less. Particulate discharge into the atmosphere results primarily from industrial, agricultural, construction, and transportation activities. However, wind action on the arid landscape also contributes substantially to the local particulate loading. Fossil fuel combustion accounts for a significant portion of PM_{2.5}. In addition, particulate matter forms in the atmosphere through reactions of NO_x and other compounds (such as ammonia) to form inorganic nitrates. Both PM₁₀ and PM_{2.5} may adversely affect the human respiratory system, especially in those persons who are naturally sensitive or susceptible to breathing problems.

Hydrocarbons (HC)

Hydrocarbons are compounds comprised primarily of atoms of hydrogen and carbon. Total organic gases (TOG) and reactive organic gases (ROG) are the two classes of HC whose emissions are inventoried by the CARB and the SCAQMD. ROG have relatively high photochemical reactivity. The principal nonreactive HC is methane (CH₄), which is also a greenhouse gas. (See **Section 3.1.2**). The major source of ROG is the incomplete combustion of fossil fuels in internal combustion engines. Other sources of ROG include the evaporative emissions associated with the use of paints and solvents, the application of asphalt paving, and the use of household consumer products. Adverse effects on human health are not caused directly by ROG, but rather by reactions of ROG to form secondary pollutants. ROG are also transformed into organic aerosols in the atmosphere, contributing to higher levels of fine particulate matter and lower visibility. The term “ROG” is used by the CARB for air quality analysis, and is defined the same as the federal term “volatile organic compound” (VOC).

Ozone (O₃)

Ozone is a secondary pollutant produced through a series of photochemical reactions involving ROG and NO_x. O₃ creation requires ROG and NO_x to be available for approximately three hours in a stable atmosphere with strong sunlight. Because of the long reaction time, peak ozone concentrations frequently occur downwind of the sites where the precursor pollutants are

emitted. Thus, O₃ is considered a regional, rather than a local, pollutant. The health effects of O₃ include eye and respiratory irritation, reduction of resistance to lung infection, and possible aggravation of pulmonary conditions in persons with lung disease. O₃ is also damaging to vegetation and untreated rubber.

3.1.2 Greenhouse Gases

GHGs are defined under the California Global Warming Solutions Act of 2006 (AB 32) as carbon dioxide (CO₂), methane (CH₄), N₂O, hydrofluorocarbons (HFCs), perfluorocarbons (PFCs), and sulfur hexafluoride (SF₆). Associated with each GHG species is a “global warming potential” (GWP), which is defined as the ratio of degree of warming to the atmosphere that would result from the emission of one mass unit of a given GHG compared with one equivalent mass unit of CO₂ over a given period of time. By this definition, the GWP of CO₂ is always 1. The GWPs of methane and N₂O are 21 and 310, respectively.^{4,5} “Carbon dioxide equivalent” (CO₂e) emissions are calculated by weighting each GHG compound’s emissions by its GWP and then summing the products. HFCs, PFCs, and SF₆ are not emitted by project sources, so they are not discussed further.

Carbon Dioxide (CO₂)

Carbon dioxide is a clear, colorless, and odorless gas. Fossil fuel combustion is the main human-related source of CO₂ emissions; electricity generation and transportation are first and second in the amount of CO₂ emissions, respectively. Carbon dioxide is the basis of GWP, and thus has a GWP of 1.

Methane (CH₄)

Methane is a clear, colorless gas, and is the main component of natural gas. Anthropogenic sources of CH₄ are fossil fuel production, biomass burning, waste management, and mobile and stationary combustion of fossil fuel. Wetlands are responsible for the majority of the natural methane emissions.⁶ As mentioned above, CH₄, within a 100-year period, is 21 times more effective in trapping heat than is CO₂.

Nitrous Oxide (N₂O)

Nitrous oxide is a colorless, clear gas, with a slightly sweet odor. N₂O has both natural and human-related sources, and is removed from the atmosphere mainly by photolysis, or breakdown

⁴ California Climate Action Registry General Reporting Protocol. Reporting Entity-Wide Greenhouse Gas Emissions, Version 3.1 (January 2009).

⁵ These values were reported by the Intergovernmental Panel on Climate Change in 1995. Some GWP values have been updated since 1995 on the basis of improved calculation methods. The 1995 values continue to be used by international convention to maintain consistency in GHG reporting.

⁶ U.S. Environmental Protection Agency, “Methane.” Climate Change Web Site. Internet URL: <http://www.epa.gov/methane/>. Updated April 1, 2011.

by sunlight, in the stratosphere. The main human-related sources of N₂O in the United States are agricultural soil management (synthetic nitrogen fertilization), mobile and stationary combustion of fossil fuel, adipic acid production, and nitric acid production.⁷ Nitrous oxide is also produced from a wide range of biological sources in soil and water. Within a 100-year span, N₂O is 310 times more effective in trapping heat than is CO₂.⁸

3.1.3 Toxic Air Contaminants

A toxic air contaminant (TAC) is defined by California law as an air pollutant that “may cause or contribute to an increase in mortality or an increase in serious illness, or which may pose a present or potential hazard to human health” (California Health and Safety Code §39655a). The U.S. Environmental Protection Agency (USEPA) uses the term hazardous air pollutant (HAP) in a similar sense. Mobile HAP sources from the proposed project will include combustion of diesel fuel by supply trucks serving the site. The following pollutants are components of diesel fuel combustion in mobile sources.

Acetaldehyde

Acetaldehyde is a colorless liquid with a high vapor pressure and, at dilute ambient concentrations, a “fruity and pleasant odor.”⁹ It is present as a product of incomplete combustion in the exhausts of stationary equipment (e.g., boilers and generators) and mobile sources. It is also a secondary pollutant, formed through the photochemical reaction of VOC and NO_x in the atmosphere. The primary acute effect of inhalation exposure to acetaldehyde is irritation of the eyes, skin, and respiratory tract in humans. At higher exposure levels, erythema, coughing, pulmonary edema, and necrosis may also occur. Chronic exposure to acetaldehyde causes inflammation and injury to the upper respiratory tract (e.g. lesions of the nasal passages).¹⁰ The chronic noncancer effects of acetaldehyde in humans have not been well characterized. No information is available on the reproductive or developmental effects of acetaldehyde in humans. The USEPA has classified acetaldehyde as a probable human carcinogen.

Acrolein

Acrolein is a water-white or yellow liquid that burns easily, is readily volatilized, and has “a disagreeable odor.”¹¹ It is present as a product of incomplete combustion in the exhausts of

⁷ U.S. Environmental Protection Agency, “Nitrous Oxide.” Climate Change Web Site. Internet URL: <http://www.epa.gov/nitrousoxide/>. Updated June 22, 2010.

⁸ Ibid.

⁹ U.S. Environmental Protection Agency, “Acetaldehyde.” Technology Transfer Network, Air Toxics Web Site, Internet URL: www.epa.gov/ttn/atw/hlthef/acetalde.html. Updated November 6, 2007.

¹⁰ California Office of Environmental Health Hazard Evaluation, “Acetaldehyde Reference Exposure Levels.” Draft Technical Support Document for Noncancer RELs. Scientific Review Panel. December 2008.

¹¹ U.S. Environmental Protection Agency, “Acrolein.” Technology Transfer Network, Air Toxics Web Site. Internet URL: www.epa.gov/ttn/atw/hlthef/acrolein.html. Updated November 6, 2007.

stationary equipment (e.g., boilers and heaters) and mobile sources. It is also a secondary pollutant, formed through the photochemical reaction of VOC and NO_x in the atmosphere. Acrolein is considered to have high acute toxicity, and causes upper respiratory tract irritation and congestion in humans. The major effects from chronic (long-term) inhalation exposure to acrolein in humans consist of general respiratory congestion and eye, nose, and throat irritation. No information is available on the reproductive, developmental, or carcinogenic effects of acrolein in humans. The USEPA considers acrolein data to be inadequate for an assessment of human carcinogenic potential.

Benzene

Benzene is a volatile, colorless, highly flammable liquid with a “sweet” odor.¹² Most of the benzene in ambient air is from incomplete combustion of fossil fuels and evaporation from gasoline service stations. Acute inhalation exposure to benzene causes neurological symptoms, such as drowsiness, dizziness, headaches, and unconsciousness in humans. Chronic inhalation of certain levels of benzene causes disorders in the blood in humans. Benzene specifically affects bone marrow (the tissues that produce blood cells). Aplastic anemia, excessive bleeding, and damage to the immune system (by changes in blood levels of antibodies and loss of white blood cells) may develop. Human data on the developmental effects of benzene are inconclusive due to concomitant exposure to other chemicals, inadequate sample size, and lack of quantitative exposure data. The USEPA has classified benzene as a known human carcinogen by inhalation.

1,3-Butadiene

1,3-Butadiene is a colorless gas with a mild gasoline-like odor. Sources of 1,3-butadiene released into the air include motor vehicle exhaust, manufacturing and processing facilities, forest fires or other combustion, and cigarette smoke.¹³ Acute exposure to 1,3-butadiene by inhalation in humans results in irritation of the eyes, nasal passages, throat, and lungs. Neurological effects, such as blurred vision, fatigue, headache, and vertigo, have also been reported at very high exposure levels. One epidemiological study reported that chronic exposure to 1,3-butadiene via inhalation resulted in an increase in cardiovascular diseases, such as rheumatic and arteriosclerotic heart diseases, while other human studies have reported effects on the blood. No information is available on reproductive or developmental effects of 1,3-butadiene

¹² U.S. Environmental Protection Agency, “Benzene.” Technology Transfer Network, Air Toxics Web Site. Internet URL: www.epa.gov/ttn/atw/hlthef/benzene.html. Updated February 4, 2008.

¹³ U.S. Environmental Protection Agency, “1,3-Butadiene.” Technology Transfer Network, Air Toxics Web Site. Internet URL: www.epa.gov/ttn/atw/hlthef/butadiene.html. Updated March 31, 2009.

in humans. USEPA has classified 1,3-butadiene as a “probable human carcinogen” by inhalation.¹⁴

Diesel Particulate Matter/Diesel Exhaust Organic Gases

Diesel particulate matter/diesel exhaust organic gases¹⁵ comprise a complex mixture of hundreds of constituents in either a gaseous or particle form. Gaseous components of diesel exhaust (DE) include CO₂, oxygen, nitrogen, water vapor, CO, nitrogen compounds, sulfur compounds, and numerous low-molecular-weight hydrocarbons. Among the gaseous hydrocarbon components of DE that are individually known to be of toxicological relevance are several carbonyls (e.g., formaldehyde, acetaldehyde, acrolein), benzene, 1,3-butadiene, and polycyclic aromatic hydrocarbons (PAHs) and nitro-PAHs.¹⁶ Diesel particulate matter (DPM) is composed of a center core of elemental carbon and adsorbed organic compounds, as well as small amounts of sulfate, nitrate, metals, and other trace elements. DPM consists primarily of PM_{2.5}, including a subgroup with a large number of particles having a diameter <0.1 micrometer. Collectively, these particles have a large surface area, which makes them an excellent medium for adsorbing organics. Also, their small size makes them highly respirable and able to reach the deep lung. A number of potentially toxicologically-relevant organic compounds, including PAHs, nitro-PAHs, and oxidized PAH derivatives, are on the particles. Diesel exhaust is emitted from onroad mobile sources, such as automobiles and trucks, and from offroad mobile sources (e.g. diesel locomotives, marine vessels and construction equipment). DPM is directly emitted from diesel-powered engines (primary particulate matter) and can be formed from the gaseous compounds emitted by diesel engines (secondary particulate matter).

Acute or short-term (e.g., episodic) exposure to DE can cause acute irritation (e.g., eye, throat, bronchial), neurophysiological symptoms (e.g., lightheadedness, nausea), and respiratory symptoms (cough, phlegm). Evidence also exists for an exacerbation of allergenic responses to known allergens and asthma-like symptoms.¹⁷ Information from the available human studies is inadequate for a definitive evaluation of possible noncancer health effects from chronic exposure to DE. However, on the basis of extensive animal evidence, DE is judged to pose a chronic

¹⁴ U.S. Environmental Protection Agency, “1,3-Butadiene (CASRN 106-99-0).” Integrated Risk Information System web site, Internet URL: www.epa.gov/iris/subst/0139.htm. Updated July 9, 2009.

¹⁵ USEPA MSAT regulations consider both the particulate and gaseous components of diesel engine exhaust, while California regulations focus on diesel particulate matter (DPM).

¹⁶ U.S. Environmental Protection Agency, Health Assessment Document for Diesel Engine Exhaust. Washington, DC: National Center for Environmental Assessment, Office of Research and Development, EPA/600/8-90/057F. May 2002.

¹⁷ U.S. Environmental Protection Agency, Health Assessment Document for Diesel Engine Exhaust. Washington, DC: National Center for Environmental Assessment, Office of Research and Development, EPA/600/8-90/057F. May 2002.

respiratory hazard to humans. USEPA has determined that DE is “likely to be carcinogenic to humans by inhalation” and that this hazard applies to environmental exposures.¹⁸

Formaldehyde

Formaldehyde is a colorless gas with a pungent, suffocating odor at room temperature.¹⁹ The major emission sources of formaldehyde appear to be power plants, manufacturing facilities, incinerators, and automobile exhaust. However, most of the formaldehyde in ambient air is a result of secondary formation through photochemical reaction of VOC and NO_x.²⁰ The major toxic effects caused by acute formaldehyde exposure via inhalation are eye, nose, and throat irritation and effects on the nasal cavity. Other effects seen from exposure to high levels of formaldehyde in humans are coughing, wheezing, chest pains, and bronchitis. Chronic exposure to formaldehyde by inhalation in humans has been associated with respiratory symptoms and eye, nose, and throat irritation. USEPA considers formaldehyde to be a probable human carcinogen.

3.2 Regulatory Agencies

3.2.1 U.S. Environmental Protection Agency

The Federal Clean Air Act (CAA), passed in 1970, established the national air pollution control program. The basic elements of the CAA are the National Ambient Air Quality Standards (NAAQS) for criteria air pollutants, hazardous air pollutants standards, state attainment plans, motor vehicle emissions standards, stationary source emissions standards and permits, acid rain control measures, stratospheric ozone protection, and enforcement provisions.

The NAAQS are the maximum allowable concentrations of criteria pollutants, over specified averaging periods, to protect human health. The CAA requires that the U.S. Environmental Protection Agency (USEPA) establish NAAQS and reassess, at least every five years, whether they are adequate to protect public health, based on current scientific evidence. The NAAQS are divided into primary and secondary standards; the former are set to protect human health within an adequate margin of safety, and the latter to protect environmental values, such as plant and animal life.

Data collected at permanent monitoring stations are used by the USEPA to classify regions as “attainment” or “nonattainment,” depending on whether the regions met the requirements stated

¹⁸ Ibid.

¹⁹ U.S. Environmental Protection Agency, “Formaldehyde.” Technology Transfer Network, Air Toxics Web Site. Internet URL: www.epa.gov/ttn/atw/hlthef/formalde.html. Updated November 6, 2007.

²⁰ Rogozen, M. B., et al. Formaldehyde: a Survey of Airborne Concentrations and Sources. Hermosa Beach, California: Science Applications, Inc. for the California Air Resources Board, Sacramento, California, SAI-84/1642. 1984.

in the primary NAAQS. Nonattainment areas are subject to additional restrictions, as required by the USEPA.

The CAA Amendments in 1990 substantially revised the planning provisions for those areas not currently meeting NAAQS. The Amendments identify specific emission reduction goals that require both a demonstration of reasonable further progress and attainment, and incorporate more stringent sanctions for failure to attain the NAAQS or to meet interim attainment milestones.

3.2.2 California Air Resources Board

The State of California began to set California ambient air quality standards (CAAQS) in 1969 under the mandate of the Mulford-Carrell Act. There were no attainment deadlines for the CAAQS originally. However, the State Legislature passed the California Clean Air Act (California CAA) in 1988 to establish air quality goals, planning mechanisms, regulatory strategies, and standards of progress to promote their attainment. The California Air Resources Board (CARB), which became part of the California Environmental Protection Agency (Cal EPA) in 1991, is responsible for ensuring implementation of California CAA, responding to the federal CAA, and for regulating emissions from motor vehicles and consumer products.

In addition, CARB oversees the functions of local air pollution control districts and air quality management districts, which in turn administer air quality activities for controlling stationary emission sources at the regional and county levels. The CCAA is administered by CARB at the state level and by local air pollution control districts and air quality management districts at the regional level.

The California CAA requires attainment of CAAQS by the earliest practicable date. The state standards are generally more stringent than the corresponding federal standards. Attainment plans are required for air basins in violation of the State O₃, PM₁₀, CO, SO₂, or NO₂ standards. Responsibility for achieving state standards is placed on the CARB and local air pollution control districts. District plans for nonattainment areas must be designed to achieve a 5-percent annual reduction in emissions. Preparation of and adherence to attainment plans are the responsibility of the local air pollution districts or air quality management districts.

3.2.3 South Coast Air Quality Management District

The CCAA designates the SCAQMD as the regional agency principally responsible for comprehensive air pollution control in the SCAB, in which the City of Los Angeles is located. The SCAQMD adopts rules and regulations for stationary sources of air pollution, establishes permitting requirements, inspects emission sources, and enforces such measures. The SCAQMD is required to produce plans for complying with ambient air quality standards in its jurisdiction. Every three years, the SCAQMD and the Southern California Association of Governments (SCAG) update the Air Quality Management Plan (AQMP). The most recent AQMP is discussed in **Section 3.4.5**.

3.3 Applicable Regulations and Significance Criteria

3.3.1 Ambient Air Quality Standards

As required by the CAA and the CCAA, national ambient air quality standards (NAAQS) have been established for six major air pollutants. These pollutants, known as *criteria pollutants*, are: carbon monoxide (CO), nitrogen dioxide (NO₂), ozone (O₃), particulate matter (PM₁₀ and PM_{2.5}), sulfur dioxide (SO₂), and lead (Pb). The State of California has also established ambient air quality standards, known as the California Ambient Air Quality Standards (CAAQS). These standards are generally more stringent than the corresponding federal standards and include additional standards for sulfates, hydrogen sulfide, vinyl chloride, and visibility reducing particles.

Both state and federal standards are summarized in **Table 2**, *Ambient Air Quality Standards for Criteria Pollutants*. The primary standards have been established to protect the public health. The secondary standards are intended to protect the nation's welfare and account for air pollutant effects on soil, water, visibility, materials, vegetation and other aspects of the general welfare.

Table 2 – Ambient Air Quality Standards for Criteria Air Pollutants

Pollutant	Averaging Time	California Standards ^a		Federal Standards ^b		
		Concentration ^c	Method ^d	Primary ^{c,e}	Secondary ^{c,f}	Method ^g
Ozone (O ₃)	1 Hour	0.09 ppm (180 µg/m ³)	Ultraviolet Photometry	—	Same as Primary Standard	Ultraviolet Photometry
	8 Hour	0.07 ppm (137 µg/m ³)		0.075 ppm (147 µg/m ³)		
Respirable Particulate Matter (PM ₁₀)	24 Hour	50 µg/m ³	Gravimetric or Beta Attenuation	150 µg/m ³	Same as Primary Standard	Inertial Separation and Gravimetric Analysis
	Annual Arithmetic Mean	20 µg/m ³		—		
Fine Particulate Matter (PM _{2.5})	24 Hour	No Separate State Standard		35 µg/m ³	Same as Primary Standard	Inertial Separation and Gravimetric Analysis
	Annual Arithmetic Mean	12 µg/m ³	Gravimetric or Beta Attenuation	15 µg/m ³		
Carbon Monoxide (CO)	8 Hour	9 ppm (10 mg/m ³)	Non-Dispersive Infrared Photometry (NDIR)	9 ppm (10 mg/m ³)	None	Non-Dispersive Infrared Photometry (NDIR)
	1 Hour	20 ppm (23 mg/m ³)		35 ppm (40 mg/m ³)		
	8 Hour (Lake Tahoe)	6 ppm (7 mg/m ³)		—	—	—
Nitrogen Dioxide (NO ₂)	Annual Arithmetic Mean	0.030 ppm (57 µg/m ³)	Gas Phase Chemiluminescence	0.053 ppm (100 µg/m ³)	Same as Primary Standard	Gas Phase Chemiluminescence
	1 Hour	0.18 ppm (339 µg/m ³)		0.1 ppm (188 µg/m ³)	None	
Sulfur Dioxide (SO ₂)	24 Hour	0.04 ppm (105 µg/m ³)	Ultraviolet Fluorescence	—	—	Ultraviolet Fluorescence; Spectrophotometry (Pararosaniline Method)
	3 Hour	—		—	0.5 ppm (1300 µg/m ³)	
	1 Hour ^h	0.25 ppm (655 µg/m ³)		0.075 ppm (196 µg/m ³)	—	

Pollutant	Averaging Time	California Standards ^a		Federal Standards ^b		
		Concentration ^c	Method ^d	Primary ^{c,e}	Secondary ^{c,f}	Method ^g
Lead ⁱ	30 Day Average	1.5 µg/m ³	Atomic Absorption	—	—	—
	Calendar Quarter	—		1.5 µg/m ³	Same as Primary Standard	High Volume Sampler and Atomic Absorption
	Rolling 3-Month Average ^j	—		0.15 µg/m ³		
Visibility Reducing Particles	8 Hour	Extinction coefficient of 0.23 per kilometer—visibility of 10 miles or more (0.07 – 30 miles or more for Lake Tahoe) due to particles when relative humidity is less than 70%. Method: Beta Attenuation and Transmittance through Filter Tape.		No Federal Standards		
Sulfates	24 Hour	25 µg/m ³	Ion Chromatography			
Hydrogen Sulfide	1 Hour	0.03 ppm (42 µg/m ³)	Ultraviolet Fluorescence			
Vinyl Chloride ⁱ	24 Hour	0.01 ppm (26 ug/m ³)	Gas Chromatography			

- a. California standards for ozone, carbon monoxide (except Lake Tahoe), sulfur dioxide (1 and 24 hour), nitrogen dioxide, suspended particulate matter—PM₁₀, PM_{2.5}, and visibility reduction particles, are values that are not to be exceeded. All others are not to be equaled or exceeded. California ambient air quality standards are listed in the Table of Standards in Section 70200 of Title 17 of the California Code of Regulations.
- b. National standards (other than ozone, particulate matter, and those based on annual averages or annual arithmetic mean) are not to be exceeded more than once a year. The ozone standard is attained when the fourth highest 8-hour concentration in a year, averaged over 3 years, is equal to or less than the standard. For PM₁₀, the 24-hour standard is attained when the expected number of days per calendar with a 24-hour average concentration above 150 µg/m³ is equal to or less than one. For PM_{2.5}, the 24-hour standard is attained when 98% of the daily concentrations, averaged over 3 years, are equal to or less than the standard.
- c. Concentration expressed first in units in which it was promulgated. Equivalent units given in parentheses are based upon a reference temperature of 25°C and a reference pressure of 760 torr. Most measurements of air quality are to be corrected to a reference temperature of 25°C and a reference pressure of 760 torr; ppm in this table refers to ppm by volume, or micromoles of pollutant per mole of gas.
- d. Any equivalent procedure which can be shown to the satisfaction of the CARB to give equivalent results at or near the level of the air quality standard may be used.
- e. National Primary Standards: The levels of air quality necessary, with an adequate margin of safety to protect the public health.
- f. National Secondary Standards: The levels of air quality necessary to protect the public welfare from any known or anticipated adverse effects of a pollutant.
- g. Reference method as described by the USEPA. An “equivalent method” of measurement may be used but must have a “consistent relationship to the reference method” and must be approved by USEPA.
- h. On June 2, 2010, the USEPA established a new 1-hour SO₂ standard, effective August 23, 2010, which is based on the 3-year average of the annual 99th percentile of 1-hour daily maximum concentrations. The USEPA also revoked both the existing 24-hour SO₂ standard of 0.14 ppm and the annual primary SO₂ standard of 0.030 ppm, effective August 23, 2010.
- i. The CARB has identified lead and vinyl chloride as “toxic air contaminants” with no threshold level of exposure for adverse health effects determined. These actions allow for the implementation of control measures at levels below the ambient concentrations specified for these pollutants.
- j. National lead standard, rolling 3-month average: final rule signed October 15, 2008.

Source: California Air Resources Board, “Ambient Air Quality Standards.” Internet URL: <http://www.arb.ca.gov/research/aaqs/aaqs2.pdf>. (September 8, 2010).

3.3.2 Significance Thresholds

The SCAQMD has developed criteria for determining whether emissions from a project are regionally significant. They are useful for estimating whether a project is likely to result in a

violation of the NAAQS and/or whether the project is in conformity with plans to achieve attainment. The SCAQMD no longer has “indirect source” rules, e.g. rules that place restrictions on housing or commercial development, or require reductions in trip generation and/or vehicle miles traveled to developed commercial or industrial sites.²¹ Instead, the District has published guidance on conducting air quality analyses under CEQA.²² SCAQMD’s significance thresholds are summarized in **Table 3**, *SCAQMD Emissions Thresholds for Significant Regional Impacts* for criteria pollutant emissions during construction activities and project operation. A project is considered to have a regional air quality impact if emissions from its construction and/or operational activities exceed the corresponding SCAQMD significance thresholds.

Table 3 – SCAQMD Emissions Thresholds for Significant Regional Impacts

Pollutant	Mass Daily Thresholds (Pounds/Day)	
	Construction	Operation
Nitrogen Oxides (NO _x)	100	55
Volatile Organic Compounds (VOC)	75	55
Respirable Particulate Matter (PM ₁₀)	150	150
Fine Particulate Matter (PM _{2.5})	55	55
Sulfur Oxides (SO _x)	150	150
Carbon Monoxide (CO)	550	550
Lead	3	3
Source: “SCAQMD Air Quality Significance Thresholds.” 2009. Diamond Bar, CA: South Coast Air Quality Management District, www.aqmd.gov/ceqa/handbook/signthres.pdf . March 2009. Accessed August 19, 2009.		

3.4 Greenhouse Gases

If the earth had no atmosphere, almost all of the energy received from the sun would be re-radiated out into space. Our atmosphere helps retain a major portion of the solar radiation through “the greenhouse effect.” Short-wavelength solar radiation passes through the atmosphere and is absorbed by the earth’s surface. The earth re-radiates the heat up into the atmosphere, at a longer wavelength. GHGs in the atmosphere absorb the longer-wavelength heat and then radiate it back downward. In general, as concentrations of GHGs in the atmosphere increase, global temperatures increase.

For many centuries, atmospheric GHG concentrations were relatively stable. As combustion of fossil fuels for industrial activities and transportation increased, concentrations of CO₂ in the atmosphere increased dramatically. The result has been an observed increase in average global temperature. The current consensus among scientists is that continued increases in atmospheric

²¹ Two indirect source rules (1501 - Work Trip Reduction Plans and 1501.1 - Alternatives to Work Trip Reduction Plans) were repealed in 1995.

²² South Coast Air Quality Management District, CEQA Air Quality Handbook. Diamond Bar, California. 1993. Updated 2006.

GHG will not only raise the average global temperature, but will also lead to changes in climate. While air temperatures will mainly rise, temperatures may decrease in some areas. Rainfall distribution and storm patterns will be affected. As polar ice melts, sea levels may rise, inundating coastal areas.

3.4.1 Regulatory Background

Federal Climate Change Regulation

The federal government has been involved in climate change issues at least since 1978, when Congress passed the National Climate Program Act (92 Stat. 601), under authority of which the National Research Council prepared a report predicting that additional increases in atmospheric CO₂ would lead to non-negligible changes in climate. At the “Earth Summit” in 1992 in Rio de Janeiro, President George W. Bush signed the United Nations Framework Convention on Climate Change (UNFCCC), a nonbinding agreement among 154 nations to reduce atmospheric concentrations of carbon dioxide and other greenhouse gases. The treaty was ratified by the U.S. Senate. However, when the UNFCCC signatories met in 1997 in Kyoto, Japan, and adopted a protocol that assigned mandatory targets for industrialized nations to reduce greenhouse gas emissions, the U.S. Senate expressed its opposition to the treaty. The Kyoto Protocol was not submitted to the Senate for ratification.

In *Massachusetts et al. v. Environmental Protection Agency et al.* [549 U.S. 497 (2007)], the U.S. Supreme Court ruled that CO₂ was an air pollutant under the Clean Air Act, and that consequently, the U.S. Environmental Protection Agency (USEPA) had the authority to regulate its emissions. The Court also held that the Administrator must determine whether emissions of greenhouse gases from new motor vehicles cause or contribute to air pollution which may reasonably be anticipated to endanger public health or welfare, or whether the science is too uncertain to make a reasoned decision. On April 24, 2009, the USEPA published its intention to find that (1) the current and projected concentrations of the mix of six key greenhouse gases—CO₂, CH₄, N₂O, HFCs, PFCs and SF₆—in the atmosphere threaten the public health and welfare of current and future generations, and that (2) the combined emissions of GHG from new motor vehicles and motor vehicle engines contribute to the atmospheric concentrations of these key greenhouse gases and hence to the threat of climate change (74 Fed. Reg. 18886). These findings are required for subsequent regulations that would control GHG emissions from motor vehicles.

California Climate Change Regulation

Executive Order S-3-05 (GHG Emissions Reductions). Executive Order #S-3-05, signed by Governor Arnold Schwarzenegger on June 1, 2005, calls for a reduction in GHG emissions to 1990 levels by 2020 and for an 80% reduction in GHG emissions to below 1990 levels by 2050.

The California Global Warming Solutions Act of 2006 (AB 32). In September 2006, Governor Arnold Schwarzenegger signed AB 32, the California Global Warming Solutions Act of 2006 (Health and Safety Code § 38500 et seq.), into law. AB 32 was intended to effectively end the scientific debate in California over the existence and consequences of global warming. In general, AB 32 directs the California Air Resources Board (CARB) to do the following:

- On or before June 30, 2007, publicly make available a list of discrete early action GHG emission reduction measures that can be implemented prior to the adoption of the statewide GHG limit and the measures required to achieve compliance with the statewide limit;
- By January 1, 2008, determine the statewide levels of GHG emissions in 1990, and adopt a statewide GHG emissions limit that is equivalent to the 1990 level (an approximately 25% reduction in existing statewide GHG emissions);
- On or before January 1, 2010, adopt regulations to implement the early action GHG emission reduction measures;
- On or before January 1, 2011, adopt quantifiable, verifiable, and enforceable emission reduction measures by regulation that will achieve the statewide GHG emissions limit by 2020, to become operative on January 1, 2012, at the latest. The emission reduction measures may include direct emission reduction measures, alternative compliance mechanisms, and potential monetary and non-monetary incentives that reduce GHG emissions from any sources or categories of sources as CARB finds necessary to achieve the statewide GHG emissions limit; and
- Monitor compliance with and enforce any emission reduction measure adopted pursuant to AB 32.

On December 11, 2008, the CARB approved the *Climate Change Scoping Plan*²³ pursuant to AB 32. The Scoping Plan recommends a wide range of measures for reducing GHG emissions, including (but not limited to):

- Expanding and strengthening of existing energy efficiency programs;
- Achieving a statewide renewables energy mix of 33 percent;
- Developing a GHG emissions cap-and-trade program;

²³ California Air Resources Board, *Climate Change Scoping Plan, a Framework for Change, Pursuant to AB32, the California Global Warming Solutions Act of 2006* (December 11, 2008).

- Establishing targets for transportation-related GHG emissions for regions throughout the state, and pursuing policies and incentives to meet those targets;
- Implementing existing state laws and policies, including California's clean car standards, goods movement measures and the Low Carbon Fuel Standard; and
- Targeted fees to fund the state's long-term commitment to administering AB 32.

Executive Order S-01-07 (Low Carbon Fuel Standard). Executive Order #S-01-07 (January 18, 2007) establishes a statewide goal to reduce the carbon intensity of California's transportation fuels by at least 10% by 2020 through establishment of a Low Carbon Fuel Standard. Carbon intensity is the amount of CO₂e per unit of fuel energy emitted from each stage of producing, transporting and using the fuel in a motor vehicle. On April 23, 2009 the Air Resources Board adopted a regulation to implement the standard.

Senate Bill 97. Senate Bill 97 was signed by the governor on August 24, 2007. The bill required the Office of Planning and Research (OPR), by July 1, 2009, to prepare, develop and transmit to the resources agency guidelines for the feasible mitigation of GHG emissions or the effects of GHG emissions, as required by CEQA, including, but not limited to, effects associated with transportation or energy consumption. On April 13, 2009 OPR submitted to the Secretary for Natural Resources its proposed amendments to the State CEQA Guidelines for greenhouse gas emissions. The Resources Agency adopted those guidelines on December 30, 2009, and they became effective on March 18, 2010. The amendments treat GHG emissions as a separate category of impacts; i.e. they are not to be addressed as part of an analysis of air quality impacts.

Section 15064.4, which was added to the CEQA Guidelines, specifies how the significance of impacts from GHGs is to be determined. First, the lead agency should "make a good faith effort" to describe, calculate or estimate the amount of GHG emissions resulting from a project. After that, the lead agency should consider the following factors when assessing the impacts of the GHG emissions on the environment:

- The extent to which the project may increase or reduce GHG emissions, relative to the existing environmental setting;
- Whether the project emissions exceed a threshold of significance that the lead agency determines applies to the project; and
- The extent to which the project complies with regulations or requirements adopted to implement a statewide, regional or local plan for the reduction or mitigation of GHG emissions.

The Governor's Office of Planning and Research (OPR) asked the CARB to make recommendations for GHG-related thresholds of significance. On October 24, 2008, the CARB issued a preliminary draft staff proposal for *Recommended Approaches for Setting Interim Significance Thresholds for Greenhouse Gases under the California Environmental Quality Act*.²⁴ After holding two public workshops and receiving comments on the proposal, CARB staff decided not to proceed with threshold development.²⁵ Quantitative significance thresholds, if any, are to be set by local agencies.

Senate Bill 375. Senate Bill 375 requires coordination of land use and transportation planning to reduce GHG emissions from transportation sources. Regional transportation plans, which are developed by metropolitan transportation organizations such as the Southern California Association of Governments (SCAG), are to include “sustainable community strategies” to reduce GHG emissions.

Title 24. The Energy Efficiency Standards for Residential and Nonresidential Buildings (Title 24, Part 6, of the *California Code of Regulations*) were established in 1978 in response to a legislative mandate to reduce California's energy consumption. The standards are updated periodically to allow consideration and possible incorporation of new energy efficiency technologies and methods. Compliance with Title 24 will result in decreases in GHG emissions. The California Energy Commission adopted the 2008 changes to the Building Energy Efficiency Standards on April 23, 2008 with an aim to promote the objectives listed below.²⁶

- Provide California with an adequate, reasonably-priced and environmentally-sound supply of energy.
- Respond to Assembly Bill 32, the Global Warming Solutions Act of 2006, which mandates that California must reduce its greenhouse gas emissions to 1990 levels by 2020.
- Pursue California energy policy that energy efficiency is the resource of first choice for meeting California's energy needs.

²⁴ California Air Resources Board. *Preliminary Draft Staff Proposal. Recommended Approaches for Setting Interim Significance Thresholds for Greenhouse Gases under the California Environmental Quality Act*. Planning and Technical Support Division, Sacramento, California (October 24, 2008).

²⁵ Personal communication from Douglas Ito, California Air Resources Board, Sacramento, California, to Michael Rogozen, UltraSystems Environmental Inc., Irvine, California. March 29, 2010.

²⁶ “2008 Building Energy Efficiency Standards.” California Energy Commission, Sacramento, California. (<http://www.energy.ca.gov/title24/2008standards/index.html>). These became effective January 1, 2010.

- Act on the findings of California's Integrated Energy Policy Report (IEPR) that Standards are the most cost effective means to achieve energy efficiency, expects the Building Energy Efficiency Standards to continue to be upgraded over time to reduce electricity and peak demand, and recognizes the role of the Standards in reducing energy related to meeting California's water needs and in reducing greenhouse gas emissions.
- Meet the West Coast Governors' Global Warming Initiative commitment to include aggressive energy efficiency measures into updates of state building codes.
- Meet the Executive Order in the Green Building Initiative to improve the energy efficiency of nonresidential buildings through aggressive standards.

The provisions of Title 24, Part 6 apply to all buildings for which an application for a building permit or renewal of an existing permit is required by law. They regulate design and construction of the building envelope, space-conditioning and water-heating systems, indoor and outdoor lighting systems of buildings, and signs located either indoors or outdoors. Title 24, Part 6 specifies mandatory, prescriptive and performance measures, all designed to optimize energy use in buildings and decrease overall consumption of energy to construct and operate residential and nonresidential buildings.²⁷ Mandatory measures establish requirements for manufacturing, construction and installation of certain systems; equipment and building components that are installed in buildings.

3.4.2 Significance Thresholds

In October, 2008, the SCAQMD issued its *Draft Guidance Document – Interim CEQA Greenhouse Gas (GHG) Significance Threshold*. The SCAQMD Board approved the document at its December 5, 2008 meeting.²⁸

The SCAQMD guidance proposes a tiered approach to establishing a significance threshold. It is designed to “capture” 90 percent of GHG emissions; that is, the threshold is low enough that it applies to the sources of 90 percent of the region’s GHG emissions, and is high enough that it excludes most minor sources. The SCAQMD approach considers “direct, indirect, and, to the extent information is available, life cycle emissions during construction and operation. Construction emissions will be amortized over the life of the project, defined as 30 years, added to the operational emissions, and compared to the applicable interim GHG significance threshold

²⁷ 2008 Building Energy Efficiency Standards for Residential and Nonresidential Buildings, California Energy Commission, (December 2008).

²⁸ South Coast Air Quality Management District. Interim CEQA GHG Significance Thresholds for Stationary Sources, Rules and Plans. December 5, 2008. Internet URL: <http://www.aqmd.gov/hb/2008/December/081231a.htm>. Last accessed: November 7, 2012.

tier.”

As noted above, the SCAQMD’s guidance uses a tiered approach rather than a single numerical emissions threshold. If a project’s GHG emissions “fail” the non-significance of a given tier, then one goes to the next one. The tiers are summarized very briefly as follows.

Tier 1 – Applicable Exemptions. This tier no longer applies, so it is necessary to consider the next tier.

Tier 2 – Emissions Within Budgets of Regional Plans. GHG emissions are less than significant if the project is consistent with a local GHG reduction plan; however, the City of Los Angeles and the County of Los Angeles do not have an adopted local GHG reduction plan that meets all the following requirements classified in Tier 2: comply with AB32 GHG reduction goals; include emissions estimates agreed upon by either CARB or the AQMD, have been analyzed under CEQA, have a certified Final CEQA document; include a GHG emissions inventory tracking mechanism; and include a process to monitor progress in achieving GHG emission reduction targets, and a commitment to remedy the excess emissions if GHG reduction goals are not met (enforcement). Thus, Tier 2 no longer applies, so it is necessary to consider the next tier.

Tier 3 – 90 Percent Capture Rate Emission Thresholds. A 90 percent emission capture rate means that 90 percent of total emissions from all new or modified projects would be subject to CEQA analysis. As stated in the thresholds document, the 90 percent emission capture rate is appropriate to address long-term adverse impacts associated with global climate change, and would capture a substantial fraction of future stationary source projects that will be constructed to accommodate future statewide population and economic growth. For Tier 3, the SCAQMD presents lead agencies with two options: option #1 – separate numerical thresholds for residential projects (3,500 tonnes CO₂e per year), commercial projects (1,400 tonnes CO₂e per year), and mixed use projects (3,000 tonnes CO₂e per year) and; option #2 – a single numerical threshold for all non-industrial projects of 3,000 tonnes CO₂e per year.²⁹

Tiers 4 and 5. These tiers are not relevant to the analysis and so will not be discussed.

Considering the clinic’s patient base is limited to students of San Fernando High School, Mission Continuation, and McAlister School ~~for Pregnant Teens~~ rather than the community at large, the proposed project most closely fits the mixed use land use category. This category reflects the

²⁹ South Coast Air Quality Management District. Minutes for the GHG CEQA Significance Threshold Stakeholder Working Group #15. September 28, 2010. Internet URL: <http://www.aqmd.gov/ceqa/handbook/GHG/2010/sept28mtg/wkgrp15minutes.pdf>. Last accessed: December 20, 2012.

limited number of vehicle trips that operation of a school based health clinic generates as compared to a commercial or residential land use. As such, the County of Los Angeles, as Lead Agency for the proposed project, has chosen to select the 3,000-tonne CO₂e per year threshold suggested by SCAQMD for the mixed use land use type.

3.5 Existing Air Quality

3.5.1 Meteorology and Climate

Air quality is affected by both the rate and location of pollutant emissions, and by meteorological conditions that influence movement and dispersal of pollutants. Atmospheric conditions, such as wind speed, wind direction, and air temperature gradients, along with local topography, provide the link between air pollutant emissions and air quality.

The SCAB is a coastal plain with connecting broad valleys and low hills, bounded by the Pacific Ocean to the southwest and high mountains around its remaining perimeter. The region lies in the semi-permanent high pressure zone of the eastern Pacific Ocean, resulting in a mild climate tempered by cool sea breezes with light average wind speeds. The usually mild climatological pattern is interrupted occasionally by periods of extremely hot weather, winter storms, or Santa Ana winds.³⁰

The vertical dispersion of air pollutants in the SCAB is hampered by the presence of persistent temperature inversions. An upper layer of dry air that warms as it descends characterizes high-pressure systems, such as the semi-permanent high-pressure zone in which the SCAB is located. This upper layer restricts the upward movement of cooler marine-influenced air near the ground surface and results in the formation of subsidence inversions. Such inversions restrict the vertical dispersion of air pollutants released into the marine layer and, together with strong sunlight, can produce worst-case conditions for the formation of photochemical smog.

The atmospheric pollution potential of an area is largely dependent on winds, atmospheric stability, solar radiation, and terrain. The combination of low wind speeds and low inversions produces the greatest concentration of air pollutants. On days without inversions, or on days of winds averaging over 15 mph, smog potential is greatly reduced.

The climatological station closest to the site is the Burbank Valley Pump Plant (Latitude 34.183333, Longitude -118.333333) station, which is approximately 8.6 miles southeast of the Project site (Latitude 34.270976, Longitude -118.440767).³¹ The annual average temperature

³⁰ This section is based largely upon South Coast Air Quality Management District, CEQA Air Quality Handbook. Diamond Bar, California. 1993. Updated 2006.

³¹ Location information from National Oceanographic and Atmospheric Administration, National Climate Data Center, <http://www.ncdc.noaa.gov/oa/climate/normals/norminv.txt> (Accessed June 29, 2011).

recorded at this station is 64.1 degrees Fahrenheit (°F), with the average temperature of 77.1°F during the summer and 51.1°F during winter.³² Precipitation in the area averages approximately 16.34 inches annually, and occurs mostly during the winter and infrequently during the summer.³³

The SCAQMD has also published guidance on determining the localized significance of construction activities.³⁴ **Table 4, SCAQMD Ambient Air Quality Significance Thresholds for Construction**, shows the significance thresholds, which are expressed as short-term ambient concentrations. SCAQMD has prepared lookup tables that use the concentration-based thresholds to back-calculate emission rates from various sized projects, to indicate significant emission rates presumed to satisfy the ambient thresholds. These lookup tables are applicable for construction projects that affect less than 5 acres on any given day.

³² “Burbank Valley Pump Pla, California. Period of Record Monthly Climate Summary.” Western Region Climate Center, <http://www.wrcc.dri.edu/cgi-bin/cliMAIN.pl?ca1194> (Accessed March 29, 2012).

³³ “Burbank Valley Pump Pla, California. Period of Record Monthly Climate Summary.” Western Region Climate Center, <http://www.wrcc.dri.edu/cgi-bin/cliMAIN.pl?ca1194> (Accessed March 29, 2012).

³⁴ Chico, T., et al., Final Localized Significance Threshold Methodology. Diamond Bar, California: South Coast Air Quality Management District. June 2003.

Table 4 – SCAQMD Ambient Air Quality Significance Thresholds for Construction

Pollutant	Averaging Time	Threshold Concentration
Nitrogen Dioxide (NO ₂)	1 hour	0.18 ppm
Respirable Particulate Matter (PM ₁₀)	24 hours	10.4 µg/m ³
Fine Particulate Matter (PM _{2.5})	24 hours	10.4 µg/m ³
Carbon Monoxide (CO)	1 hour	20 ppm
	24 hours	9.0 ppm
<p>Source: “SCAQMD Air Quality Significance Thresholds.” 2009. Diamond Bar, CA: South Coast Air Quality Management District, www.aqmd.gov/ceqa/handbook/signthres.pdf. March 2009. Accessed August 19, 2009.</p>		

3.5.2 Regional Air Quality

Table 5, *Federal and State Attainment Status for the South Coast Air Basin*, summarizes the SCAB’s attainment status for criteria pollutants. The Basin is nonattainment for the federal ozone, respirable particulate matter (PM₁₀), and fine particulate matter (PM_{2.5}) ambient air quality standards. The SCAB is a maintenance area for CO and NO₂, which means that, although the Basin has achieved compliance with the NAAQS for those pollutants, control strategies that were used to achieve compliance must continue. The attainment status for the CAAQS is similar to that for the NAAQS, except that the Basin is non-attainment for the California 1-hour NO₂ standard.

Table 5 – Federal and State Attainment Status for the South Coast Air Basin

Pollutants	Federal Classification	State Classification
Ozone (O ₃)	Non-Attainment (Extreme)	Non-Attainment
Particulate Matter (PM ₁₀)	Non-Attainment (Serious)	Non-Attainment
Fine Particulate Matter (PM _{2.5})	Non-Attainment	Non-Attainment
Carbon Monoxide (CO)	Maintenance	Attainment
Nitrogen Dioxide (NO ₂)	Maintenance	Non-Attainment
Sulfur Dioxide (SO ₂)	Attainment	Attainment
<p>Sources: U.S. Environmental Protection Agency, “California 8-Hour Ozone Nonattainment Areas (1997 Standard).” Green Book. Internet URL: www.epa.gov/air/oaqps/greenbook/ca8.html. Updated December 2010. Last accessed: March 29, 2012; U.S. Environmental Protection Agency, “Particulate Matter (PM-10) Nonattainment State/Area/County Report As of December 17, 2010.” Green Book. Internet URL: http://www.epa.gov/air/oaqps/greenbook/pncs.html#CALIFORNIA. Last accessed: March 29, 2012; U.S. Environmental Protection Agency, “Particulate Matter (PM-2.5) 2006 Standard Nonattainment State/Area/County Report as of December 17, 2010.” Green Book. Internet URL: http://www.epa.gov/air/oaqps/greenbook/rncs.html#CALIFORNIA. Last accessed: March 29, 2012; California Air Resources Board, “Area Designations Maps/State and National.” Internet URL: www.arb.ca.gov/design/adm/adm.htm. Last accessed March 29, 2012.</p>		

3.5.3 Local Air Quality

A network of ambient air monitoring stations is operated throughout the SCAB. The monitoring stations aim to measure ambient concentrations of criteria pollutants. The nearest ambient monitoring station to the project site (approximately seven miles away) is the Reseda Station³⁵ in Reseda, which measures O₃, NO₂, and CO. The nearest station that monitors PM_{2.5} and SO₂ is the Burbank Station³⁶ and the nearest station that monitors PM₁₀ is the Santa Clarita Station.³⁷ Ambient pollutant concentrations measured at the Reseda monitoring station in 2008-2010 are presented in **Table 6, Ambient Criteria Pollutant Concentration Data for Reseda**. During the three-year period, the following ambient air quality standards were exceeded at least once: 1-hour CAAQS and 8-hour CAAQS and NAAQS for O₃; Annual Arithmetic Mean CAAQS for PM₁₀; and 24-hour NAAQS and Annual Arithmetic Mean CAAQS and NAAQS for PM_{2.5}.

Table 6 – Ambient Criteria Pollutant Concentration Data for Reseda

Air Pollutant	Standard/Exceedance	18330 Gault Street, Reseda, CA 91702		
		2008	2009	2010
Carbon Monoxide (CO)	Year Coverage	97%	97%	99%
	Max. 1-hour Concentration (ppm)	3	3	ND
	Max. 8-hour Concentration (ppm)	2.88	3.31	2.60
	# Days > Federal 1-hour Std. of 35 ppm	0	0	0
	# Days > Federal 8-hour Std. of 9 ppm	0	0	0
	# Days > California 8-hour Std. of 9.0 ppm	0	0	0
Ozone (O ₃)	Year Coverage	98%	98%	96%
	Max. 1-hour Concentration (ppm)	0.123	0.135	0.122
	Max. 8-hour Concentration (ppm)	0.103	0.100	0.092
	# Days > Federal 8-hour Std. of 0.075 ppm	25	19	19
	# Days > California 1-hour Std. of 0.09 ppm	23	15	11
	# Days > California 8-hour Std. of 0.07 ppm	39	31	37
Nitrogen Dioxide (NO ₂)	Year Coverage	97%	99%	99%
	Max. 1-hour Concentration (ppm)	0.091	0.070	0.075
	Annual Average (ppm)	0.018	0.017	0.017
	# Days > California 1-hour Std. of 0.18 ppm	0	0	0
Sulfur Dioxide ¹ (SO ₂)	Year Coverage	97%	49%	83%
	Max. 24-hour Concentration (ppm)	0.003	0.003	0.004
	Annual Average (ppm)	0.000	ND	ND
	# Days > California 24-hour Std. of 0.04 ppm	0	0	0

³⁵ The address for the station is 18330 Gault Street, Reseda, CA 91702.

³⁶ The address for the station is 228 W Palm Avenue, Burbank, CA 91502.

³⁷ The address for the station is 22224 Placerita Canyon Road, Santa Clarita, CA 91321.

Air Pollutant	Standard/Exceedance	18330 Gault Street, Reseda, CA 91702		
		2008	2009	2010
Respirable Particulate Matter ² (PM ₁₀)	Year Coverage	92%	81%	94%
	Max. 24-hour Concentration (µg/m ³)	87.0	56.0	38.0
	#Days > Fed. 24-hour Std. of 150 µg/m ³	0.0	0.0	0.0
	#Days > California 24-hour Std. of 50 µg/m ³	ND	ND	0.0
	Annual Average (µg/m ³)	25.8	23.9	21.0
Fine Particulate Matter ¹ (PM _{2.5})	Year Coverage	95%	100%	100%
	Max. 24-hour Concentration (µg/m ³)	68.9	67.5	43.7
	State Annual Average (µg/m ³)	13.9	14.3	12.4
	#Days > Fed. 24-hour Std. of 35 µg/m ³	6.1	11.8	4.0
	Federal Annual Average (µg/m ³)	13.9	15.3	12.8
<p>Source:</p> <p>California Air Resources Board, “iADAM Air Quality Data Statistics.” Internet URL: http://www.arb.ca.gov/adam/ (January 10, 2012)</p> <p>South Coast Air Quality Management District, “Historical Data by Year.” Internet URL: http://www.aqmd.gov/smog/historicaldata.htm (January 10, 2012)</p> <p>¹The Reseda monitoring station does not monitor for PM_{2.5} and SO₂. The closest monitor that does is located in Burbank (228 W Palm Avenue, Burbank, CA 91502).</p> <p>²The Reseda monitoring station does not monitor for PM₁₀. The closest monitor that does is located at Santa Clarita (22224 Placerita Canyon Road, Santa Clarita, CA 91321).</p>				

3.5.4 Sensitive Receptors

The nearest sensitive land use is San Fernando High School, which is approximately 12 feet away from the boundaries of the project site. The next nearest sensitive receptor around the area is the residential neighborhood northeast of the project site on the corner of O’Melveny Avenue and Chamberlain Street, which is approximately 62 feet away.

3.5.5 Air Quality Plans

The CAA requires each state to prepare, update and execute a state implementation plan (SIP), which describes how the state will achieve attainment with ambient air quality standards. The SIP is not a single document, but rather a compilation of new and previously submitted plans, programs (such as monitoring, modeling, permitting, etc.), district rules, state regulations and federal controls.³⁸ Local air districts and other agencies, such as the Bureau of Automotive Repair and the Department of Pesticide Regulation, prepare SIP elements and submit them to

³⁸ California Air Resources Board, “State Implementation Background.” Internet URL:
<http://www.arb.ca.gov/planning/sip/background.htm>. Accessed March 21, 2011.

CARB for review and approval. CARB forwards SIP revisions to the USEPA for approval and publication in the Federal Register.³⁹ Once a provision is in a USEPA-approved SIP, it is federally enforceable.⁴⁰

The SCAQMD is presently being guided by the following portions of the California State Implementation Plan (SIP):

- 2007 Ozone SIP
- 2007 PM_{2.5} SIP
- 2007 CO SIP (Maintenance Plan)
- 2007 NO₂ SIP (Maintenance Plan)
- 2003 PM₁₀ SIP

The most recently approved Air Quality Management Plan (AQMP) was adopted by the SCAQMD Governing Board on June 1, 2007 and revised in October 2007. The 2007 AQMP projects attainment of the federal 8-hour O₃ and 24-hour PM_{2.5} standards by 2023 and 2014, respectively. However, to meet those targets, it is necessary to supplement the identified control measures with undefined long-term (“black box”) measures that will reduce emissions by approximately 27 tons per day of VOC and 190 tons per day of NO_x.⁴¹ Given the uncertainty in its ability to find effective black box measures, the SCAQMD Board asked CARB to request of USEPA that the federal 8-hour ozone classification be changed to “extreme,” which would modify the attainment deadline to June 15, 2024.⁴² When CARB submitted the October 2007 version of the AQMP to USEPA as a SIP revision, it concurred with the SCAQMD’s request for reclassification of the 8-hour ozone status from severe 17 to extreme.⁴³ On May 5, 2010, USEPA granted the request.⁴⁴

³⁹ Ibid.

⁴⁰ U.S. Environmental Protection Agency, “Availability of Federally-Enforceable State Implementation Plans for All States.” *Federal Register* 75(226):71548-7150 (November 24).

⁴¹ South Coast Air Quality Management District (SCAQMD). *Final 2007 Air Quality Management Plan*. Diamond Bar, California (June 2007), p. 341.

⁴² South Coast Air Quality Management District (SCAQMD). “A Resolution of the Governing Board of the South Coast Air Quality Management District certifying the Final Program Environmental Impact Report for the 2007 Air Quality Management Plan, adopting the Final 2007 Air Quality Management Plan (AQMP), to be referred to after adoption as the Final 2007 AQMP, and to fulfill U.S. EPA Requirements for the use of emission reductions from the Carl Moyer Program in the State Implementation Plan.” Resolution No. 07-9, Diamond Bar, California (June 1, 2007).

⁴³ Letter from James N. Goldstene, California Air Resources Board, Sacramento, California to Wayne Nastri, U.S. Environmental Protection Agency, Region 9, San Francisco, California (November 28, 2007).

⁴⁴ “Designation of Areas for Air Quality Planning Purposes; California; San Joaquin Valley, South Coast Air Basin, Coachella Valley, and Sacramento Metro 8-Hour Ozone Nonattainment Areas; Reclassification.” *Federal Register* 75(86):24409-24421 (May 5, 2010).

4.0 AIR QUALITY IMPACTS ANALYSIS

This analysis was prepared in accordance with Appendix G of the California Environmental Quality Act (CEQA) Guidelines, and with the SCAQMD *CEQA Air Quality Handbook*. Air quality impacts are typically divided into short-term and long-term impacts. Short-term impacts are associated with construction activities, such as site grading, excavation, and building construction of a proposed project. Long-term impacts are associated with the operation of a proposed project upon its completion.

4.1 CEQA Impact Review Criteria

In accordance with *State CEQA Guidelines* Appendix G, implementation of the proposed project would result in a potentially significant impact if it were to:

- Conflict with or obstruct implementation of the applicable air quality plan;
- Violate any air quality standard or contribute substantially to an existing or projected air quality violation;
- Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or State ambient air quality standard (including releasing emissions that exceed quantitative thresholds for ozone precursors);
- Expose the public (especially schools, day care centers, hospitals, retirement homes, convalescence facilities, and residences) to substantial pollutant concentrations; or
- Create objectionable odors affecting a substantial number of people.

Where available, the significance criteria established by the applicable air quality management district (AQMD) or air pollution control district (APCD) may be relied upon to make the significance determinations. The SCAQMD's criteria for regional and local significance were presented in **Table 3** and **Table 4**, respectively.

4.2 CO "Hotspots" Thresholds

Exhaust emissions from motor vehicles can potentially cause a direct, localized hotspot impact at or near proposed developments or sensitive receptors. The optimum condition for the occurrence of a CO hotspot would be cool and calm weather at a congested major roadway intersection with sensitive receptors nearby, and where vehicles are idling or moving at a stop-and-go pace.

The significance of localized project impacts depends on whether project-related emissions result in a violation of State and/or federal CO standards. A significant impact would occur if the CO hotspot analysis of vehicular intersection emissions exposes sensitive receptors to concentrations that are in excess of the following thresholds:

- 20 parts per million (ppm) for 1-hour average, and/or
- 9 ppm for 8-hour average.

The South Coast Air Quality Management District considers project impacts to be significant if they increase 1-hour CO concentrations by 1.0 ppm or more or 8-hour CO concentrations by 0.45 ppm or more.⁴⁵

4.3 Methodology

Estimated air emissions from the Project's on-site and off-site Project activities were calculated using the CalEEMod™ emissions model⁴⁶ and by other methods described below. CalEEMod is a planning tool for estimating emissions related to land use projects. The model incorporates EMFAC2007 emission factors to estimate on-road vehicle emissions; and emission factors and assumptions from the CARB's OFFROAD2007 model to estimate off-road construction equipment emissions. Model-predicted project emissions are compared with applicable thresholds to assess regional air quality impacts.

4.4 Air Quality Impacts

4.4.1 Short-Term Impacts

Project construction activities will generate short-term air quality impacts. Construction emissions can be distinguished as either on-site or off-site. On-site air pollutant emissions would principally consist of exhaust emissions from off-road heavy-duty construction equipment, as well as fugitive particulate matter from earth working and material handling operations. Off-site emissions would result from workers commuting to and from the job site, as well as from trucks exporting contaminated soil and importing clean soil, and trucks hauling demolition and construction debris for disposal.

The proposed project would include demolition of existing structures, breakup of existing pavement and replacement with concrete, and erection of new structures. Each construction phase involves the use of a different mix of construction equipment and therefore, has its own distinct emissions characteristics. A schedule of equipment use was set up to determine which equipment would be operated simultaneously. Since detailed design information was not available at the time this document was prepared, construction-related emission estimates were based on the default construction scenario information in CalEEMod.⁴⁷ Estimates of the types and numbers of pieces of equipment anticipated in each phase of construction and development were based on equipment

⁴⁵ South Coast Air Quality Management District. 1993. *CEQA Air Quality Handbook*. April.

⁴⁶ *California Emissions Estimator Model (CalEEMod), Users Guide, Version 2011.1*. Prepared by ENVIRON International Corporation, Emeryville, California, for the South Coast Air Quality Management District, Diamond Bar, California (February 2011).

⁴⁷ *California Emissions Estimator Model (CalEEMod), Users Guide, Version 2011.1 Appendix D Default Tables*. Prepared by ENVIRON International Corporation, Emeryville, California, for the South Coast Air Quality Management District, Diamond Bar, California (February 2011).

requirements of similar construction projects. Pollutant emissions would vary from day to day depending on the intensity and type of construction activity.

Project construction emissions were estimated using the construction module of CalEEMod. For the analysis, the construction period would begin January 2013, and last for 1 year.⁴⁸ Also, it was assumed that fugitive dust control measures required under SCAQMD Rule 403 would be implemented. The project construction contractor must follow applicable SCAQMD regulations regarding control of fugitive dust emissions and VOC content limits in applied architectural coatings during the project's construction. Equipment exhaust emissions were determined using CalEEMod's default values for horsepower and load factors, which are from the CARB's OFFROAD2007 model. The default value for the VOC content of architectural coatings was changed to that of a typical commercial building coating formulation.^{49 50} The estimated emissions are presented in **Table 7, Maximum Daily Construction Emissions (Unmitigated)**. Modeling assumptions and output files and other calculations are provided in **Appendix 1**.

⁴⁸ Memorandum from Ole Barre, UltraSystems Environmental, Inc., Irvine, California to Ken Koch, UltraSystems Environmental, Inc., El Dorado Hills, California (March 12, 2012).

⁴⁹ Material Safety Data Sheet for "Acry-Sheen White," Product Code 0250001. Frazee Industries, San Diego, California (October 12, 2006).

⁵⁰ Material Safety Data Sheet for "Duratec II Flat White," Product Code 2030001. Frazee Industries, San Diego, California (March 25, 2011).

Table 7 – Maximum Daily Construction Emissions (Unmitigated)

Construction Activity	Maximum Emissions (lbs/day)				
	ROG	NO _x	CO	PM ₁₀	PM _{2.5}
Maximum Cumulative Emissions	2.61	22.06	14.35	6.62	1.65
Construction Activities	Grading	Grading	Grading	Grading	Grading
<i>SCAQMD Significance Thresholds</i>	<i>75</i>	<i>100</i>	<i>550</i>	<i>150</i>	<i>55</i>
Significant (Yes or No)	No	No	No	No	No
– Source: Calculated by UltraSystems with CalEEMod (Version 2011.1)					

Emissions of all criteria pollutants are below the SCAQMD’s significance thresholds. Therefore, the regional impacts of construction emissions will be temporary and less than significant.

4.4.2 Long-Term Impacts

The primary source of operational emissions would be vehicle exhaust emissions generated from project-induced vehicle trips, known as “mobile source emissions.” Other emissions, identified as “area source emissions,” would be generated from energy consumption for water and space heating for the proposed teen center; structural maintenance and landscaping activities; and use of consumer products.

Operational emissions from the Proposed Project were estimated using the operational module of CalEEMod. The vehicle trip generation rates of the Proposed Project were obtained from default values in CalEEMod that are based on land use definitions published by the Institute of Transportation Engineers (ITE).⁵¹ In addition, default values generated by CalEEMod, including the expected vehicle fleet mix, and vehicle traveling speed and distance assumptions, were used in the model run.

Table 8, *Summary of Unmitigated Operational Emissions*, shows the results of the criteria pollutant emissions analysis. All criteria pollutant emissions are below their respective thresholds of significance.

⁵¹ Institution of Transportation Engineers. *Trip Generation*, 8th Edition. 2008.

Table 8 – Summary of Unmitigated Operational Emissions

Emission Source	Maximum Emissions (lbs/day)					
	ROG	NO _x	CO	SO _x	PM ₁₀	PM _{2.5}
Area	0.16	0.00	0.00	0.00	0.00	0.00
Energy	0.01	0.10	0.08	0.00	0.01	0.01
Mobile	1.97	5.02	18.48	0.03	3.66	0.33
Total Operational Emissions	2.14	5.12	18.56	0.03	3.67	0.34
<i>SCAQMD Significance Thresholds</i>	<i>55</i>	<i>550</i>	<i>55</i>	<i>150</i>	<i>150</i>	<i>55</i>
<hr/> Source: Calculated by UltraSystems with CalEEMod (Version 2011.1)						

4.4.3 Sensitive Receptors

Sensitive receptors are persons who are more susceptible to air pollution than the general population, such as children, athletes, the elderly, and the chronically ill. Examples of land uses where substantial numbers of sensitive receptors are often found are schools, daycare centers, parks, recreational areas, medical facilities, nursing homes, and convalescent care facilities. Residential areas are also considered to be sensitive to air pollution because residents (including children and the elderly) tend to be at home for extended periods of time, resulting in sustained exposure to pollutants. As discussed in **Section 3.5.4**, the sensitive receptor closest to the Project boundary is approximately 12 feet away.

Short-Term Impacts

Construction of the proposed project would generate short-term and intermittent emissions. Although sensitive receptors would be exposed to diesel exhaust, which has been associated with lung cancer,⁵² the duration of exposure would not be sufficient to result in a significant cancer risk. Carcinogenic health risk assessments are based upon an assumption of 70 years continuous exposure, while the exposure in the present case would be intermittent over a maximum of about five months. Therefore, no cancer health risk assessment was necessary. Acute noncancer risk assessments are based upon one-hour maximum exposures, but acute reference exposure levels (RELs) for diesel exhaust and diesel particulate matter have not been established by the Office of Environmental Health Hazard Assessment.⁵³

⁵² California Environmental Protection Agency, Office of Environmental Health Hazard Assessment. 1998. *Part B: Health Risk Assessment for Diesel Exhaust*. May.

⁵³ California Environmental Protection Agency, Office of Environmental Health Hazard Assessment, "All Acute Reference Exposure Levels developed by OEHHA as of May 2000. (www.oehha.ca.gov/air/acute_rels/allAcRELs.html).

A screening-level localized significance analysis of construction emissions was performed in accordance with SCAQMD procedures.⁵⁴ Only on-site emission sources were included. As seen in **Table 9, Results of Localized Significance Screening Analysis**, localized impacts during construction will be less than significant.

Table 9 – Results of Localized Significance Screening Analysis

Pollutant	Distance From Receptor (feet)	Calculated Emissions (lbs/day)	Threshold Emissions (lbs/day)	Exceeds Threshold?
NO _x	12	16.33	80	No
CO	12	10.77	498	No
PM ₁₀	12	1.39	4	No
PM _{2.5}	12	1.2	3	No
<hr/> Source: UltraSystems Environmental Inc., 2011 with CalEEMod (Version 2011.1).				

Long-Term Impacts

Operation of the proposed project would increase local vehicle traffic, which may contribute to off-site air quality impacts. The traffic increases in nearby intersections may contribute to traffic congestion, which may create “pockets” of CO called hotspots. These pockets have the potential to exceed the State 1-hour standard of 20 ppm and/or the 8-hour standard of 9.0 ppm, thus affecting sensitive receptors that are close to these roadways or intersections. CO hotspots typically are found at busy intersections, but can also occur along congested major arterials and freeways. They occur mostly in the early morning hours when winds are stagnant and ambient CO concentrations are elevated. In accordance with the California Department of Transportation (Caltrans) CO Protocol,⁵⁵ CO hotspots are evaluated when a project degrades the level of service (LOS) at a nearby signalized intersection to “E” or worse. Typically, hotspots analyses are not performed for unsignalized intersections, which have lower traffic volumes than those with signals. This is particularly the case when a hotspots analysis shows no impacts for the most congested, signalized intersections.

The traffic study indicated that the project would generate 58 daily trips, and that “there is very little probability the project will result in any impact to the surrounding circulation network.”⁵⁶ Therefore, the project will not degrade the LOS at nearby signalized intersections to “E” or

⁵⁴ Chico, T. and J. Koizumi, *Final Localized Significance Threshold Methodology*. South Coast Air Quality Management District, Diamond Bar, California (June, 2003).

⁵⁵ California Department of Transportation. 1997. *Transportation Project-Level Carbon Monoxide Protocol*.

⁵⁶ Rutherford, K. Letter report by VA Consulting, Inc., Irvine, California to Ken Koch, UltraSystems Environmental, Inc., Grass Valley, California (March 20, 2012), p. 2.

worse, and a quantitative CO hotspots analysis is not required. Localized CO concentrations will be less than significant.

4.4.4 Objectionable Odors

Construction activities for the proposed project would generate airborne odors associated with the operation of construction vehicles (i.e., diesel exhaust) and the application of paints and coatings. These emissions would occur during daytime hours only, and would be isolated to the immediate vicinity of the construction site and activity. Therefore, they would not affect a substantial number of people. When project construction is completed, odors from the proposed uses of the proposed project would be similar to those of the surrounding school facilities.

4.4.5 Conformity with Air Quality Management Plan

The SCAQMD has established an AQMP that proposes policies and measures to achieve federal and state standards for healthful air quality in the SCAB. The most recently approved AQMP was adopted by the SCAQMD Board of Directors on June 1, 2007.

The AQMP incorporates land use assumptions from local general plans and regional growth projections developed by Southern California Association of Governments (SCAG) to estimate stationary and mobile source air emissions associated with projected population and planned land uses. If the proposed land use is consistent with the local general plan, then the impact of the project is presumed to have been accounted for in the AQMP. This is because the land use and transportation control sections of the AQMP are based on the SCAG regional growth forecasts, which incorporated projections from local general plans.

Another measurement tool in determining consistency with the AQMP is to determine whether a project would generate population and employment growth and, if so, whether that growth would exceed the growth rates forecasted in the AQMP and how the project would accommodate the expected increase in population or employment.

The proposed project will not conflict with the land use designation specified in the Arleta-Pacoima Community Plan. In addition, the proposed project is neither a source of new housing nor a significant source of new jobs; hence, the proposed project is not considered growth or population-inducing on a regional scale. Therefore, the proposed project will not conflict with or obstruct the implementation of the AQMP. The impact will be less than significant.

4.5 Greenhouse Gas Emissions

4.5.1 Impacts

Because of the persistence of GHG in the atmosphere, all the impacts addressed in this section are defined as long-term. The analysis included two types of GHG emission sources: direct sources and indirect sources.

The two main direct emission sources will be use of internal combustion (IC) engines and space heating. For this project, GHG emissions from IC engines would be emitted from off-road construction equipment such as loaders; and on-road vehicles (worker, vendor, and delivery trips). On the other hand, space heating would be produced from the combustion of natural gas for heating water and heating circulated air for building operations.

Indirect GHG source emissions are those for which the project is responsible, but that occur off-site. For example, the solid waste that is distributed to landfills will decay and emit the GHGs CO₂ and CH₄. GHG are also emitted by combustion of fossil fuels necessary in generating and distributing electricity. Indirect source emissions are mainly operational-based, and originate from several sources: electricity for land use operations, water, and wastewater. Electricity is required for lighting and heating and ventilation. Also, energy, in the form of electricity, is required for water supply and distribution. Finally, the electricity required to treat wastewater was accounted for in this analysis.

4.5.2 Direct Source Emissions

Direct source emissions originate from internal combustion (IC) engine exhaust and are emitted from on-road vehicles, off-road vehicles, and off-road equipment. In this analysis, construction equipment, worker trips, vendor trips, and delivery trips were considered. GHG emissions were estimated by the same methods as were used for criteria pollutant emissions in Section 4.4.1.

Construction

The proposed project will include demolition of existing structures, breakup of existing pavement and replacement with concrete, and erection of new structures. Each construction phase involves the use of a different mix of construction equipment and therefore, has its own distinct GHG emissions characteristics. A schedule of equipment use was set up to determine which equipment would be operated simultaneously. Since detailed design information was not available at the time this document was prepared, construction-related emission estimates were based on the default construction scenario information in CalEEMod.⁵⁷ Estimates of the types and numbers of pieces of equipment anticipated in each phase of construction and development were based on equipment requirements of similar construction projects. GHG emissions would vary from day to day depending on the intensity and type of construction activity.

Project construction emissions were estimated using the construction module of CalEEMod. Construction of the proposed project was estimated to begin January 2013, and expected to last for one year. The construction equipment GHG emissions were modeled using CalEEMod and

⁵⁷ *California Emissions Estimator Model (CalEEMod), Users Guide, Version 2011.1 Appendix D Default Tables.* Prepared by ENVIRON International Corporation, Emeryville, California, for the South Coast Air Quality Management District, Diamond Bar, California (February 2011).

CalEEMod's default values for horsepower and load factors, which are from the CARB's OFFROAD2007 model.

Other Combustion Emissions

GHG emissions from space heating with natural gas were modeled with CalEEMod, assuming the "hospital" land use, which most closely fits the description of the facility. The default factors for Title 24 natural gas standards were used.

4.5.3 Indirect Source Emissions

Construction

Assuming the air compressor used in the architectural coating phase of the proposed project is not electric-powered, there will be no indirect source emissions of GHG.

Other Indirect Emissions

Solid waste disposal into landfills creates CO₂ and CH₄ emissions over a span of years. The emissions from solid waste were calculated using CalEEMod, which models the GHG emissions based on the Intergovernmental Panel on Climate Change's (IPCC) methods for quantifying GHG emissions from solid waste.⁵⁸

Calculation of indirect GHG emissions for water use was based on the electricity needed to supply and distribute water. The factors for electricity are based on Title 24, non-Title 24, and lighting standards from the California Energy Commission (CEC). CalEEMod assumes defaults based on the project location, climate zone, and energy provider. All the default values were used. In addition to GHG emissions based on water supply and distribution, water/wastewater processing based on electricity consumption contributes to the emissions. Again, CalEEMod was used to model the GHG emissions from water/wastewater treatment.

Table 10, *Utilities GHG Emissions*, shows the indirect GHG emissions from electricity, water, natural gas, and solid waste consumption.

⁵⁸ IPCC, 2006 *IPCC Guidelines for National Greenhouse Gas Inventories*, Volume 5 Waste, (2006).

Table 10 – Utilities GHG Emissions (tonnes/year)

Utility	CO ₂	CH ₄	N ₂ O	CO ₂ e
Electricity	37.74	0.00	0.00	37.98
Water	3.05	0.02	0.00	3.67
Natural Gas	19.09	0.00	0.00	19.21
Solid Waste	12.06	0.71	0.00	27.02
Totals	71.94	0.73	0.00	87.88
Source: UltraSystems Environmental Inc. with CalEEMod (Version 2011.1)				

A detailed breakdown of the results of the GHG emissions analysis can be found in **Table 11**, *Annual GHG Emissions, 2013*, and in **Table 12**, *Annual GHG Emissions, 2014*.

Table 11 – Annual GHG Emissions, 2013

Annual Emissions in 2013 (tonnes)					
Emission Source		CO ₂	CH ₄	N ₂ O	CO ₂ e
Construction ^a		7.41	0.00	0.00	7.43
Operations	Area	-	-	-	-
	Mobile	-	-	-	-
Totals		7.41	0.00	0.00	7.43
Note: Proposed project construction begins January 2013 and is not operational yet.					
^a Amortized over 30 years per SCAQMD Interim CEQA GHG Significance Threshold.					
Source: UltraSystems Environmental Inc. with CalEEMod (Version 2011.1)					

Table 12 – Annual GHG Emissions, 2014 and Later Years

Annual Emissions in 2014 (tonnes)					
Emission Source		CO ₂	CH ₄	N ₂ O	CO ₂ e
Construction ^a		7.41	0.00	0.00	7.43
Operations	Area	71.94	0.73	0.00	87.88
	Mobile	373.29	0.01	0.00	373.59
Totals		452.64	0.74	0	468.90
Note: Proposed project is expected to open in 2014.					
^a Amortized over 30 years per SCAQMD Interim CEQA GHG Significance Threshold.					
Source: UltraSystems Environmental Inc. with CalEEMod (Version 2011.1)					

Table 12 shows that the maximum annual emissions from the proposed project would be 468.90 tonnes of CO₂e, which is less than the annual 3,000-tonne CO₂ SCAQMD interim threshold for mixed use projects as well as the annual 1,400-tonne CO₂e threshold established by the

SCAQMD for commercial projects. Although the project is neither fully commercial, nor completely considered mixed use, the proposed project's maximum annual GHG emissions would be less than the SCAQMD thresholds for both project types.

4.6 Cumulative Emissions

The Project will begin operations in 2014. No other developments are planned to come on line near the Project. As was shown on **Section 4.5.2**, regional air pollutant emissions from Project operations will be less than significant. Therefore, cumulative impacts will also be less than significant.

4.7 Mitigation Measures

No mitigation measures are necessary.

APPENDICES

APPENDIX A MODELING OUTPUT

San Fernando Teen Center
Los Angeles-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
Hospital	5.5	1000sqft
Parking Lot	2.62	1000sqft

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Utility Company	Southern California Edison
Climate Zone	9	Precipitation Freq (Days)	33		

1.3 User Entered Comments

Project Characteristics - Project Characteristics:
County of LA (SC); Climate Zone 9; Operational Year 2014; SCE
Land Use - Land Use:
User Defined Educational - 5,500 sqft bldg;
Parking Lot - 2,623 sqft
Lot size - 0.32 acre

Construction Phase - Construction Phases:

Demolition - 20 days

Site Prep - 2 days

Grading - 8 days

Building Construction - 210 days

Paving - 10 days

Architectural Coating - 10 days

Total: 260 days (1 year)

Off-road Equipment - Architectural Coating:

Air Compressor 1x

Off-road Equipment - Building Construction:

Crane 1x

Forklift 2x

Tractor 2x

Off-road Equipment - Demolition:

Rubber Tired Dozer 1x

Tractor 2x

Off-road Equipment - Grading:

Rubber Tired Dozer 1x

Tractor 2x

Off-road Equipment - Paving:

Cement Mixer 4x

Paver 1x

Roller 1x

Tractor 1x

Off-road Equipment - Site Preparation:

Grader x1

Tractor x1

Trips and VMT - Construction Trips and VMT:

Default Values.

On-road Fugitive Dust -

Demolition - Demolition Size Metrics:

2 Buildings Demolished totaling 1,183 sqft

Grading - Dust from Material Movement:
Grading - 762.96 Cubic Yards Excavated
Assume 762.96 Cubic Yards of Fill
Total Acres Disturbed: 0.32

Architectural Coating - Architectural Coating:
Frazee Paints -
Interior - 15.3 g/L
Exterior - 21.7 g/L

Vehicle Trips - Operational - Mobile:
Assume all trips are primary.
20 Trips total.
C-C: 5%
C-W: 85%
C-NW: 10%

Woodstoves - Hearths:
No woodstoves or fireplaces

Area Coating - Architectural Recoating:
Non-Res Interior - 15.3 g/L
Non-Res Exterior - 21.7 g/L

Energy Use - Energy Use:
Default Non-historical energy use intensities based on Hospitals in Climate Zone 9
T24 E - 10.44 KWhr/size/yr
NT24 E - 7.55
Lighting - 5.6
T24 Nat. Gas - 55.22 KBTU/size/yr
NT24 Nat. Gas - 9.82

Water And Wastewater - Operational Water and Wastewater:
Use is assumed to be the same as hospital use default
Indoor - $125480.54 \text{ gals/year/1000sqft} * 5.5 = 690,142.96 \text{ gal/year}$
Outdoor - $23901.05 \text{ gals/year/1000sqft} * 5.5 = 131,455.8 \text{ gal/year}$
Solid Waste -

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2013	0.28	2.01	1.37	0.00	0.04	0.13	0.16	0.00	0.13	0.13	0.00	222.41	222.41	0.02	0.00	222.87
Total	0.28	2.01	1.37	0.00	0.04	0.13	0.16	0.00	0.13	0.13	0.00	222.41	222.41	0.02	0.00	222.87

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2013	0.28	2.01	1.37	0.00	0.00	0.13	0.13	0.00	0.13	0.13	0.00	222.41	222.41	0.02	0.00	222.87
Total	0.28	2.01	1.37	0.00	0.00	0.13	0.13	0.00	0.13	0.13	0.00	222.41	222.41	0.02	0.00	222.87

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.03	0.00	0.00	0.00		0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Energy	0.00	0.02	0.01	0.00		0.00	0.00		0.00	0.00	0.00	56.83	56.83	0.00	0.00	57.18
Mobile	0.24	0.61	2.43	0.00	0.40	0.03	0.43	0.02	0.03	0.04	0.00	373.29	373.29	0.01	0.00	373.59
Waste						0.00	0.00		0.00	0.00	12.06	0.00	12.06	0.71	0.00	27.02
Water						0.00	0.00		0.00	0.00	0.00	3.05	3.05	0.02	0.00	3.67
Total	0.27	0.63	2.44	0.00	0.40	0.03	0.43	0.02	0.03	0.04	12.06	433.17	445.23	0.74	0.00	461.46

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.03	0.00	0.00	0.00		0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Energy	0.00	0.02	0.01	0.00		0.00	0.00		0.00	0.00	0.00	56.83	56.83	0.00	0.00	57.18
Mobile	0.24	0.61	2.43	0.00	0.40	0.03	0.43	0.02	0.03	0.04	0.00	373.29	373.29	0.01	0.00	373.59
Waste						0.00	0.00		0.00	0.00	12.06	0.00	12.06	0.71	0.00	27.02
Water						0.00	0.00		0.00	0.00	0.00	3.05	3.05	0.02	0.00	3.67
Total	0.27	0.63	2.44	0.00	0.40	0.03	0.43	0.02	0.03	0.04	12.06	433.17	445.23	0.74	0.00	461.46

3.0 Construction Detail

3.1 Mitigation Measures Construction

3.2 Demolition - 2013

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	0.01	0.08	0.06	0.00		0.01	0.01		0.01	0.01	0.00	8.02	8.02	0.00	0.00	8.04
Total	0.01	0.08	0.06	0.00	0.00	0.01	0.01	0.00	0.01	0.01	0.00	8.02	8.02	0.00	0.00	8.04

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.38	0.38	0.00	0.00	0.38
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.77	1.77	0.00	0.00	1.77
Total	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.15	2.15	0.00	0.00	2.15

3.2 Demolition - 2013

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	0.01	0.08	0.06	0.00		0.01	0.01		0.01	0.01	0.00	8.02	8.02	0.00	0.00	8.04
Total	0.01	0.08	0.06	0.00	0.00	0.01	0.01	0.00	0.01	0.01	0.00	8.02	8.02	0.00	0.00	8.04

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.38	0.38	0.00	0.00	0.38
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.77	1.77	0.00	0.00	1.77
Total	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.15	2.15	0.00	0.00	2.15

3.3 Site Preparation - 2013

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	0.00	0.01	0.01	0.00		0.00	0.00		0.00	0.00	0.00	1.27	1.27	0.00	0.00	1.28
Total	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.27	1.27	0.00	0.00	1.28

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.06	0.00	0.00	0.06
Total	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.06	0.00	0.00	0.06

3.3 Site Preparation - 2013

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	0.00	0.01	0.01	0.00		0.00	0.00		0.00	0.00	0.00	1.27	1.27	0.00	0.00	1.28
Total	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.27	1.27	0.00	0.00	1.28

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.06	0.00	0.00	0.06
Total	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.06	0.00	0.00	0.06

3.4 Grading - 2013

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	0.00	0.03	0.02	0.00		0.00	0.00		0.00	0.00	0.00	3.21	3.21	0.00	0.00	3.21
Total	0.00	0.03	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.21	3.21	0.00	0.00	3.21

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.01	0.05	0.03	0.00	0.02	0.00	0.02	0.00	0.00	0.00	0.00	7.28	7.28	0.00	0.00	7.28
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.35	0.35	0.00	0.00	0.35
Total	0.01	0.05	0.03	0.00	0.02	0.00	0.02	0.00	0.00	0.00	0.00	7.63	7.63	0.00	0.00	7.63

3.4 Grading - 2013

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	0.00	0.03	0.02	0.00		0.00	0.00		0.00	0.00	0.00	3.21	3.21	0.00	0.00	3.21
Total	0.00	0.03	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.21	3.21	0.00	0.00	3.21

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.01	0.05	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.28	7.28	0.00	0.00	7.28
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.35	0.35	0.00	0.00	0.35
Total	0.01	0.05	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.63	7.63	0.00	0.00	7.63

3.5 Building Construction - 2013

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.23	1.71	1.13	0.00		0.11	0.11		0.11	0.11	0.00	185.26	185.26	0.02	0.00	185.65
Total	0.23	1.71	1.13	0.00		0.11	0.11		0.11	0.11	0.00	185.26	185.26	0.02	0.00	185.65

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.63	2.63	0.00	0.00	2.63
Worker	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.48	3.48	0.00	0.00	3.49
Total	0.00	0.02	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.11	6.11	0.00	0.00	6.12

3.5 Building Construction - 2013

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.23	1.71	1.13	0.00		0.11	0.11		0.11	0.11	0.00	185.26	185.26	0.02	0.00	185.65
Total	0.23	1.71	1.13	0.00		0.11	0.11		0.11	0.11	0.00	185.26	185.26	0.02	0.00	185.65

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.63	2.63	0.00	0.00	2.63
Worker	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.48	3.48	0.00	0.00	3.49
Total	0.00	0.02	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.11	6.11	0.00	0.00	6.12

3.6 Paving - 2013

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.01	0.07	0.05	0.00		0.01	0.01		0.01	0.01	0.00	6.39	6.39	0.00	0.00	6.41
Paving	0.00					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.01	0.07	0.05	0.00		0.01	0.01		0.01	0.01	0.00	6.39	6.39	0.00	0.00	6.41

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.99	0.99	0.00	0.00	1.00
Total	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.99	0.99	0.00	0.00	1.00

3.6 Paving - 2013

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.01	0.07	0.05	0.00		0.01	0.01		0.01	0.01	0.00	6.39	6.39	0.00	0.00	6.41
Paving	0.00					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.01	0.07	0.05	0.00		0.01	0.01		0.01	0.01	0.00	6.39	6.39	0.00	0.00	6.41

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.99	0.99	0.00	0.00	1.00
Total	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.99	0.99	0.00	0.00	1.00

3.7 Architectural Coating - 2013

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.01					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	0.00	0.01	0.01	0.00		0.00	0.00		0.00	0.00	0.00	1.28	1.28	0.00	0.00	1.28
Total	0.01	0.01	0.01	0.00		0.00	0.00		0.00	0.00	0.00	1.28	1.28	0.00	0.00	1.28

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.06	0.00	0.00	0.06
Total	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.06	0.00	0.00	0.06

3.7 Architectural Coating - 2013

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.01					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	0.00	0.01	0.01	0.00		0.00	0.00		0.00	0.00	0.00	1.28	1.28	0.00	0.00	1.28
Total	0.01	0.01	0.01	0.00		0.00	0.00		0.00	0.00	0.00	1.28	1.28	0.00	0.00	1.28

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.06	0.00	0.00	0.06
Total	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.06	0.00	0.00	0.06

4.0 Mobile Detail

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.24	0.61	2.43	0.00	0.40	0.03	0.43	0.02	0.03	0.04	0.00	373.29	373.29	0.01	0.00	373.59
Unmitigated	0.24	0.61	2.43	0.00	0.40	0.03	0.43	0.02	0.03	0.04	0.00	373.29	373.29	0.01	0.00	373.59
Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Hospital	319.00	0.00	0.00	743,972	743,972
Parking Lot	0.00	0.00	0.00		
Total	319.00	0.00	0.00	743,972	743,972

4.3 Trip Type Information

Land Use	Miles			Trip %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW
Hospital	8.90	13.30	7.40	85.00	5.00	10.00
Parking Lot	8.90	13.30	7.40	0.00	0.00	0.00

5.0 Energy Detail

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.00	0.00		0.00	0.00	0.00	37.74	37.74	0.00	0.00	37.98
Electricity Unmitigated						0.00	0.00		0.00	0.00	0.00	37.74	37.74	0.00	0.00	37.98
NaturalGas Mitigated	0.00	0.02	0.01	0.00		0.00	0.00		0.00	0.00	0.00	19.09	19.09	0.00	0.00	19.21
NaturalGas Unmitigated	0.00	0.02	0.01	0.00		0.00	0.00		0.00	0.00	0.00	19.09	19.09	0.00	0.00	19.21
Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU	tons/yr										MT/yr					
Hospital	357720	0.00	0.02	0.01	0.00		0.00	0.00		0.00	0.00	0.00	19.09	19.09	0.00	0.00	19.21
Parking Lot	0	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total		0.00	0.02	0.01	0.00		0.00	0.00		0.00	0.00	0.00	19.09	19.09	0.00	0.00	19.21

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU	tons/yr										MT/yr					
Hospital	357720	0.00	0.02	0.01	0.00		0.00	0.00		0.00	0.00	0.00	19.09	19.09	0.00	0.00	19.21
Parking Lot	0	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total		0.00	0.02	0.01	0.00		0.00	0.00		0.00	0.00	0.00	19.09	19.09	0.00	0.00	19.21

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
Land Use	kWh	tons/yr				MT/yr			
Hospital	129745					37.74	0.00	0.00	37.98
Parking Lot	0					0.00	0.00	0.00	0.00
Total						37.74	0.00	0.00	37.98

Mitigated

	Electricity Use	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
Land Use	kWh	tons/yr				MT/yr			
Hospital	129745					37.74	0.00	0.00	37.98
Parking Lot	0					0.00	0.00	0.00	0.00
Total						37.74	0.00	0.00	37.98

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.03	0.00	0.00	0.00		0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unmitigated	0.03	0.00	0.00	0.00		0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.00					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Consumer Products	0.03					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Landscaping	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.03	0.00	0.00	0.00		0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.00					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Consumer Products	0.03					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Landscaping	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.03	0.00	0.00	0.00		0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

7.0 Water Detail

7.1 Mitigation Measures Water

	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr				MT/yr			
Mitigated					3.05	0.02	0.00	3.67
Unmitigated					3.05	0.02	0.00	3.67
Total	NA	NA	NA	NA	NA	NA	NA	NA

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	tons/yr				MT/yr			
Hospital	0.690143 / 0.131456					3.05	0.02	0.00	3.67
Parking Lot	0 / 0					0.00	0.00	0.00	0.00
Total						3.05	0.02	0.00	3.67

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	tons/yr				MT/yr			
Hospital	0.690143 / 0.131456					3.05	0.02	0.00	3.67
Parking Lot	0 / 0					0.00	0.00	0.00	0.00
Total						3.05	0.02	0.00	3.67

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
	tons/yr				MT/yr			
Mitigated					12.06	0.71	0.00	27.02
Unmitigated					12.06	0.71	0.00	27.02
Total	NA	NA	NA	NA	NA	NA	NA	NA

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
Land Use	tons	tons/yr				MT/yr			
Hospital	59.4					12.06	0.71	0.00	27.02
Parking Lot	0					0.00	0.00	0.00	0.00
Total						12.06	0.71	0.00	27.02

Mitigated

	Waste Disposed	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
Land Use	tons	tons/yr				MT/yr			
Hospital	59.4					12.06	0.71	0.00	27.02
Parking Lot	0					0.00	0.00	0.00	0.00
Total						12.06	0.71	0.00	27.02

9.0 Vegetation

San Fernando Teen Center
Los Angeles-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
Hospital	5.5	1000sqft
Parking Lot	2.62	1000sqft

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Utility Company	Southern California Edison
Climate Zone	9	Precipitation Freq (Days)	33		

1.3 User Entered Comments

Project Characteristics - Project Characteristics:
County of LA (SC); Climate Zone 9; Operational Year 2014; SCE
Land Use - Land Use:
User Defined Educational - 5,500 sqft bldg;
Parking Lot - 2,623 sqft
Lot size - 0.32 acre

Construction Phase - Construction Phases:

Demolition - 20 days

Site Prep - 2 days

Grading - 8 days

Building Construction - 210 days

Paving - 10 days

Architectural Coating - 10 days

Total: 260 days (1 year)

Off-road Equipment - Architectural Coating:

Air Compressor 1x

Off-road Equipment - Building Construction:

Crane 1x

Forklift 2x

Tractor 2x

Off-road Equipment - Demolition:

Rubber Tired Dozer 1x

Tractor 2x

Off-road Equipment - Grading:

Rubber Tired Dozer 1x

Tractor 2x

Off-road Equipment - Paving:

Cement Mixer 4x

Paver 1x

Roller 1x

Tractor 1x

Off-road Equipment - Site Preparation:

Grader x1

Tractor x1

Trips and VMT - Construction Trips and VMT:

Default Values.

On-road Fugitive Dust -

Demolition - Demolition Size Metrics:

2 Buildings Demolished totaling 1,183 sqft

Grading - Dust from Material Movement:
Grading - 762.96 Cubic Yards Excavated
Assume 762.96 Cubic Yards of Fill
Total Acres Disturbed: 0.32

Architectural Coating - Architectural Coating:
Frazee Paints -
Interior - 15.3 g/L
Exterior - 21.7 g/L

Vehicle Trips - Operational - Mobile:
Assume all trips are primary.
20 Trips total.
C-C: 5%
C-W: 85%
C-NW: 10%

Woodstoves - Hearths:
No woodstoves or fireplaces

Area Coating - Architectural Recoating:
Non-Res Interior - 15.3 g/L
Non-Res Exterior - 21.7 g/L

Energy Use - Energy Use:
Default Non-historical energy use intensities based on Hospitals in Climate Zone 9
T24 E - 10.44 KWhr/size/yr
NT24 E - 7.55
Lighting - 5.6
T24 Nat. Gas - 55.22 KBTU/size/yr
NT24 Nat. Gas - 9.82

Water And Wastewater - Operational Water and Wastewater:
Use is assumed to be the same as hospital use default
Indoor - $125480.54 \text{ gals/year/1000sqft} * 5.5 = 690,142.96 \text{ gal/year}$
Outdoor - $23901.05 \text{ gals/year/1000sqft} * 5.5 = 131,455.8 \text{ gal/year}$
Solid Waste -

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2013	2.58	21.34	13.82	0.03	5.45	1.21	6.61	0.49	1.21	1.65	0.00	2,996.08	0.00	0.22	0.00	3,000.73
Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2013	2.58	21.34	13.82	0.03	0.89	1.21	2.05	0.49	1.21	1.65	0.00	2,996.08	0.00	0.22	0.00	3,000.73
Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.16	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00		0.00
Energy	0.01	0.10	0.08	0.00		0.00	0.01		0.00	0.01		115.30		0.00	0.00	116.00
Mobile	1.88	4.63	18.78	0.03	3.45	0.21	3.66	0.12	0.21	0.33		3,305.80		0.15		3,309.01
Total	2.05	4.73	18.86	0.03	3.45	0.21	3.67	0.12	0.21	0.34		3,421.10		0.15	0.00	3,425.01

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.16	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00		0.00
Energy	0.01	0.10	0.08	0.00		0.00	0.01		0.00	0.01		115.30		0.00	0.00	116.00
Mobile	1.88	4.63	18.78	0.03	3.45	0.21	3.66	0.12	0.21	0.33		3,305.80		0.15		3,309.01
Total	2.05	4.73	18.86	0.03	3.45	0.21	3.67	0.12	0.21	0.34		3,421.10		0.15	0.00	3,425.01

3.0 Construction Detail

3.1 Mitigation Measures Construction

3.2 Demolition - 2013

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.06	0.00	0.06	0.00	0.00	0.00						0.00
Off-Road	1.15	8.19	5.65	0.01		0.57	0.57		0.57	0.57		884.00		0.10		886.16
Total	1.15	8.19	5.65	0.01	0.06	0.57	0.63	0.00	0.57	0.57		884.00		0.10		886.16

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.03	0.27	0.16	0.00	0.47	0.01	0.48	0.00	0.01	0.01		42.08		0.00		42.11
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Worker	0.11	0.11	1.25	0.00	0.48	0.01	0.49	0.01	0.01	0.02		205.58		0.01		205.83
Total	0.14	0.38	1.41	0.00	0.95	0.02	0.97	0.01	0.02	0.03		247.66		0.01		247.94

3.2 Demolition - 2013

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.06	0.00	0.06	0.00	0.00	0.00						0.00
Off-Road	1.15	8.19	5.65	0.01		0.57	0.57		0.57	0.57	0.00	884.00		0.10		886.16
Total	1.15	8.19	5.65	0.01	0.06	0.57	0.63	0.00	0.57	0.57	0.00	884.00		0.10		886.16

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.03	0.27	0.16	0.00	0.00	0.01	0.01	0.00	0.01	0.01		42.08		0.00		42.11
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Worker	0.11	0.11	1.25	0.00	0.01	0.01	0.02	0.01	0.01	0.02		205.58		0.01		205.83
Total	0.14	0.38	1.41	0.00	0.01	0.02	0.03	0.01	0.02	0.03		247.66		0.01		247.94

3.3 Site Preparation - 2013

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.17	0.00	0.17	0.00	0.00	0.00						0.00
Off-Road	1.72	12.58	8.68	0.01		0.81	0.81		0.81	0.81		1,402.64		0.15		1,405.88
Total	1.72	12.58	8.68	0.01	0.17	0.81	0.98	0.00	0.81	0.81		1,402.64		0.15		1,405.88

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Worker	0.03	0.03	0.39	0.00	0.08	0.00	0.08	0.00	0.00	0.01		64.24		0.00		64.32
Total	0.03	0.03	0.39	0.00	0.08	0.00	0.08	0.00	0.00	0.01		64.24		0.00		64.32

3.3 Site Preparation - 2013

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.17	0.00	0.17	0.00	0.00	0.00						0.00
Off-Road	1.72	12.58	8.68	0.01		0.81	0.81		0.81	0.81	0.00	1,402.64		0.15		1,405.88
Total	1.72	12.58	8.68	0.01	0.17	0.81	0.98	0.00	0.81	0.81	0.00	1,402.64		0.15		1,405.88

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Worker	0.03	0.03	0.39	0.00	0.00	0.00	0.01	0.00	0.00	0.01		64.24		0.00		64.32
Total	0.03	0.03	0.39	0.00	0.00	0.00	0.01	0.00	0.00	0.01		64.24		0.00		64.32

3.4 Grading - 2013

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.82	0.00	0.82	0.42	0.00	0.42						0.00
Off-Road	1.15	8.19	5.65	0.01		0.57	0.57		0.57	0.57		884.00		0.10		886.16
Total	1.15	8.19	5.65	0.01	0.82	0.57	1.39	0.42	0.57	0.99		884.00		0.10		886.16

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.37	13.09	7.55	0.02	4.51	0.59	5.10	0.07	0.59	0.65		2,009.29		0.07		2,010.69
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Worker	0.05	0.05	0.62	0.00	0.12	0.00	0.13	0.00	0.00	0.01		102.79		0.01		102.92
Total	1.42	13.14	8.17	0.02	4.63	0.59	5.23	0.07	0.59	0.66		2,112.08		0.08		2,113.61

3.4 Grading - 2013

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.82	0.00	0.82	0.42	0.00	0.42						0.00
Off-Road	1.15	8.19	5.65	0.01		0.57	0.57		0.57	0.57	0.00	884.00		0.10		886.16
Total	1.15	8.19	5.65	0.01	0.82	0.57	1.39	0.42	0.57	0.99	0.00	884.00		0.10		886.16

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.37	13.09	7.55	0.02	0.07	0.59	0.65	0.07	0.59	0.65		2,009.29		0.07		2,010.69
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Worker	0.05	0.05	0.62	0.00	0.00	0.00	0.01	0.00	0.00	0.01		102.79		0.01		102.92
Total	1.42	13.14	8.17	0.02	0.07	0.59	0.66	0.07	0.59	0.66		2,112.08		0.08		2,113.61

3.5 Building Construction - 2013

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.20	16.33	10.77	0.02		1.04	1.04		1.04	1.04		1,945.40		0.20		1,949.52
Total	2.20	16.33	10.77	0.02		1.04	1.04		1.04	1.04		1,945.40		0.20		1,949.52

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.02	0.17	0.11	0.00	0.01	0.01	0.02	0.00	0.01	0.01		27.68		0.00		27.69
Worker	0.02	0.02	0.23	0.00	0.05	0.00	0.05	0.00	0.00	0.00		38.55		0.00		38.59
Total	0.04	0.19	0.34	0.00	0.06	0.01	0.07	0.00	0.01	0.01		66.23		0.00		66.28

3.5 Building Construction - 2013

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.20	16.33	10.77	0.02		1.04	1.04		1.04	1.04	0.00	1,945.40		0.20		1,949.52
Total	2.20	16.33	10.77	0.02		1.04	1.04		1.04	1.04	0.00	1,945.40		0.20		1,949.52

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.02	0.17	0.11	0.00	0.00	0.01	0.01	0.00	0.01	0.01		27.68		0.00		27.69
Worker	0.02	0.02	0.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00		38.55		0.00		38.59
Total	0.04	0.19	0.34	0.00	0.00	0.01	0.01	0.00	0.01	0.01		66.23		0.00		66.28

3.6 Paving - 2013

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.32	14.52	9.76	0.02		1.20	1.20		1.20	1.20		1,408.52		0.21		1,412.88
Paving	0.00					0.00	0.00		0.00	0.00						0.00
Total	2.32	14.52	9.76	0.02		1.20	1.20		1.20	1.20		1,408.52		0.21		1,412.88

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Worker	0.12	0.12	1.40	0.00	0.28	0.01	0.29	0.01	0.01	0.02		231.27		0.01		231.56
Total	0.12	0.12	1.40	0.00	0.28	0.01	0.29	0.01	0.01	0.02		231.27		0.01		231.56

3.6 Paving - 2013

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.32	14.52	9.76	0.02		1.20	1.20		1.20	1.20	0.00	1,408.52		0.21		1,412.88
Paving	0.00					0.00	0.00		0.00	0.00						0.00
Total	2.32	14.52	9.76	0.02		1.20	1.20		1.20	1.20	0.00	1,408.52		0.21		1,412.88

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Worker	0.12	0.12	1.40	0.00	0.01	0.01	0.02	0.01	0.01	0.02		231.27		0.01		231.56
Total	0.12	0.12	1.40	0.00	0.01	0.01	0.02	0.01	0.01	0.02		231.27		0.01		231.56

3.7 Architectural Coating - 2013

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	1.27					0.00	0.00		0.00	0.00						0.00
Off-Road	0.49	2.96	1.94	0.00		0.27	0.27		0.27	0.27		281.19		0.04		282.10
Total	1.76	2.96	1.94	0.00		0.27	0.27		0.27	0.27		281.19		0.04		282.10

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Worker	0.01	0.01	0.08	0.00	0.02	0.00	0.02	0.00	0.00	0.00		12.85		0.00		12.86
Total	0.01	0.01	0.08	0.00	0.02	0.00	0.02	0.00	0.00	0.00		12.85		0.00		12.86

3.7 Architectural Coating - 2013

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	1.27					0.00	0.00		0.00	0.00						0.00
Off-Road	0.49	2.96	1.94	0.00		0.27	0.27		0.27	0.27	0.00	281.19		0.04		282.10
Total	1.76	2.96	1.94	0.00		0.27	0.27		0.27	0.27	0.00	281.19		0.04		282.10

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Worker	0.01	0.01	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00		12.85		0.00		12.86
Total	0.01	0.01	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00		12.85		0.00		12.86

4.0 Mobile Detail

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.88	4.63	18.78	0.03	3.45	0.21	3.66	0.12	0.21	0.33		3,305.80		0.15		3,309.01
Unmitigated	1.88	4.63	18.78	0.03	3.45	0.21	3.66	0.12	0.21	0.33		3,305.80		0.15		3,309.01
Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Hospital	319.00	0.00	0.00	743,972	743,972
Parking Lot	0.00	0.00	0.00		
Total	319.00	0.00	0.00	743,972	743,972

4.3 Trip Type Information

Land Use	Miles			Trip %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW
Hospital	8.90	13.30	7.40	85.00	5.00	10.00
Parking Lot	8.90	13.30	7.40	0.00	0.00	0.00

5.0 Energy Detail

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.01	0.10	0.08	0.00		0.00	0.01		0.00	0.01		115.30		0.00	0.00	116.00
NaturalGas Unmitigated	0.01	0.10	0.08	0.00		0.00	0.01		0.00	0.01		115.30		0.00	0.00	116.00
Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU	lb/day										lb/day					
Hospital	980.055	0.01	0.10	0.08	0.00		0.00	0.01		0.00	0.01		115.30		0.00	0.00	116.00
Parking Lot	0	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00	0.00	0.00
Total		0.01	0.10	0.08	0.00		0.00	0.01		0.00	0.01		115.30		0.00	0.00	116.00

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU	lb/day										lb/day					
Hospital	0.980055	0.01	0.10	0.08	0.00		0.00	0.01		0.00	0.01		115.30		0.00	0.00	116.00
Parking Lot	0	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00	0.00	0.00
Total		0.01	0.10	0.08	0.00		0.00	0.01		0.00	0.01		115.30		0.00	0.00	116.00

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.16	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00		0.00
Unmitigated	0.16	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00		0.00
Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.00					0.00	0.00		0.00	0.00						0.00
Consumer Products	0.16					0.00	0.00		0.00	0.00						0.00
Landscaping	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00		0.00
Total	0.16	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00		0.00

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.00					0.00	0.00		0.00	0.00						0.00
Consumer Products	0.16					0.00	0.00		0.00	0.00						0.00
Landscaping	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00		0.00
Total	0.16	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00		0.00

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Vegetation

San Fernando Teen Center
Los Angeles-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
Hospital	5.5	1000sqft
Parking Lot	2.62	1000sqft

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Utility Company	Southern California Edison
Climate Zone	9	Precipitation Freq (Days)	33		

1.3 User Entered Comments

Project Characteristics - Project Characteristics:
County of LA (SC); Climate Zone 9; Operational Year 2014; SCE
Land Use - Land Use:
User Defined Educational - 5,500 sqft bldg;
Parking Lot - 2,623 sqft
Lot size - 0.32 acre

Construction Phase - Construction Phases:

Demolition - 20 days

Site Prep - 2 days

Grading - 8 days

Building Construction - 210 days

Paving - 10 days

Architectural Coating - 10 days

Total: 260 days (1 year)

Off-road Equipment - Architectural Coating:

Air Compressor 1x

Off-road Equipment - Building Construction:

Crane 1x

Forklift 2x

Tractor 2x

Off-road Equipment - Demolition:

Rubber Tired Dozer 1x

Tractor 2x

Off-road Equipment - Grading:

Rubber Tired Dozer 1x

Tractor 2x

Off-road Equipment - Paving:

Cement Mixer 4x

Paver 1x

Roller 1x

Tractor 1x

Off-road Equipment - Site Preparation:

Grader x1

Tractor x1

Trips and VMT - Construction Trips and VMT:

Default Values.

On-road Fugitive Dust -

Demolition - Demolition Size Metrics:

2 Buildings Demolished totaling 1,183 sqft

Grading - Dust from Material Movement:
Grading - 762.96 Cubic Yards Excavated
Assume 762.96 Cubic Yards of Fill
Total Acres Disturbed: 0.32

Architectural Coating - Architectural Coating:
Frazee Paints -
Interior - 15.3 g/L
Exterior - 21.7 g/L

Vehicle Trips - Operational - Mobile:
Assume all trips are primary.
20 Trips total.
C-C: 5%
C-W: 85%
C-NW: 10%

Woodstoves - Hearths:
No woodstoves or fireplaces

Area Coating - Architectural Recoating:
Non-Res Interior - 15.3 g/L
Non-Res Exterior - 21.7 g/L

Energy Use - Energy Use:
Default Non-historical energy use intensities based on Hospitals in Climate Zone 9
T24 E - 10.44 KWhr/size/yr
NT24 E - 7.55
Lighting - 5.6
T24 Nat. Gas - 55.22 KBTU/size/yr
NT24 Nat. Gas - 9.82

Water And Wastewater - Operational Water and Wastewater:
Use is assumed to be the same as hospital use default
Indoor - $125480.54 \text{ gals/year/1000sqft} * 5.5 = 690,142.96 \text{ gal/year}$
Outdoor - $23901.05 \text{ gals/year/1000sqft} * 5.5 = 131,455.8 \text{ gal/year}$
Solid Waste -

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2013	2.61	22.06	14.35	0.03	5.45	1.21	6.62	0.49	1.21	1.65	0.00	2,979.17	0.00	0.22	0.00	2,983.81
Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2013	2.61	22.06	14.35	0.03	0.89	1.21	2.05	0.49	1.21	1.65	0.00	2,979.17	0.00	0.22	0.00	2,983.81
Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.16	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00		0.00
Energy	0.01	0.10	0.08	0.00		0.00	0.01		0.00	0.01		115.30		0.00	0.00	116.00
Mobile	1.97	5.02	18.48	0.03	3.45	0.21	3.66	0.12	0.21	0.33		3,105.53		0.12		3,108.12
Total	2.14	5.12	18.56	0.03	3.45	0.21	3.67	0.12	0.21	0.34		3,220.83		0.12	0.00	3,224.12

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.16	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00		0.00
Energy	0.01	0.10	0.08	0.00		0.00	0.01		0.00	0.01		115.30		0.00	0.00	116.00
Mobile	1.97	5.02	18.48	0.03	3.45	0.21	3.66	0.12	0.21	0.33		3,105.53		0.12		3,108.12
Total	2.14	5.12	18.56	0.03	3.45	0.21	3.67	0.12	0.21	0.34		3,220.83		0.12	0.00	3,224.12

3.0 Construction Detail

3.1 Mitigation Measures Construction

3.2 Demolition - 2013

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.06	0.00	0.06	0.00	0.00	0.00						0.00
Off-Road	1.15	8.19	5.65	0.01		0.57	0.57		0.57	0.57		884.00		0.10		886.16
Total	1.15	8.19	5.65	0.01	0.06	0.57	0.63	0.00	0.57	0.57		884.00		0.10		886.16

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.03	0.29	0.17	0.00	0.47	0.01	0.48	0.00	0.01	0.01		41.88		0.00		41.91
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Worker	0.12	0.12	1.18	0.00	0.48	0.01	0.49	0.01	0.01	0.02		190.45		0.01		190.70
Total	0.15	0.41	1.35	0.00	0.95	0.02	0.97	0.01	0.02	0.03		232.33		0.01		232.61

3.2 Demolition - 2013

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.06	0.00	0.06	0.00	0.00	0.00						0.00
Off-Road	1.15	8.19	5.65	0.01		0.57	0.57		0.57	0.57	0.00	884.00		0.10		886.16
Total	1.15	8.19	5.65	0.01	0.06	0.57	0.63	0.00	0.57	0.57	0.00	884.00		0.10		886.16

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.03	0.29	0.17	0.00	0.00	0.01	0.01	0.00	0.01	0.01		41.88		0.00		41.91
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Worker	0.12	0.12	1.18	0.00	0.01	0.01	0.02	0.01	0.01	0.02		190.45		0.01		190.70
Total	0.15	0.41	1.35	0.00	0.01	0.02	0.03	0.01	0.02	0.03		232.33		0.01		232.61

3.3 Site Preparation - 2013

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.17	0.00	0.17	0.00	0.00	0.00						0.00
Off-Road	1.72	12.58	8.68	0.01		0.81	0.81		0.81	0.81		1,402.64		0.15		1,405.88
Total	1.72	12.58	8.68	0.01	0.17	0.81	0.98	0.00	0.81	0.81		1,402.64		0.15		1,405.88

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Worker	0.04	0.04	0.37	0.00	0.08	0.00	0.08	0.00	0.00	0.01		59.52		0.00		59.59
Total	0.04	0.04	0.37	0.00	0.08	0.00	0.08	0.00	0.00	0.01		59.52		0.00		59.59

3.3 Site Preparation - 2013

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.17	0.00	0.17	0.00	0.00	0.00						0.00
Off-Road	1.72	12.58	8.68	0.01		0.81	0.81		0.81	0.81	0.00	1,402.64		0.15		1,405.88
Total	1.72	12.58	8.68	0.01	0.17	0.81	0.98	0.00	0.81	0.81	0.00	1,402.64		0.15		1,405.88

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Worker	0.04	0.04	0.37	0.00	0.00	0.00	0.01	0.00	0.00	0.01		59.52		0.00		59.59
Total	0.04	0.04	0.37	0.00	0.00	0.00	0.01	0.00	0.00	0.01		59.52		0.00		59.59

3.4 Grading - 2013

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.82	0.00	0.82	0.42	0.00	0.42						0.00
Off-Road	1.15	8.19	5.65	0.01		0.57	0.57		0.57	0.57		884.00		0.10		886.16
Total	1.15	8.19	5.65	0.01	0.82	0.57	1.39	0.42	0.57	0.99		884.00		0.10		886.16

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.40	13.81	8.11	0.02	4.51	0.59	5.10	0.07	0.59	0.66		1,999.94		0.07		2,001.37
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Worker	0.06	0.06	0.59	0.00	0.12	0.00	0.13	0.00	0.00	0.01		95.23		0.01		95.35
Total	1.46	13.87	8.70	0.02	4.63	0.59	5.23	0.07	0.59	0.67		2,095.17		0.08		2,096.72

3.4 Grading - 2013

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.82	0.00	0.82	0.42	0.00	0.42						0.00
Off-Road	1.15	8.19	5.65	0.01		0.57	0.57		0.57	0.57	0.00	884.00		0.10		886.16
Total	1.15	8.19	5.65	0.01	0.82	0.57	1.39	0.42	0.57	0.99	0.00	884.00		0.10		886.16

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.40	13.81	8.11	0.02	0.07	0.59	0.66	0.07	0.59	0.66		1,999.94		0.07		2,001.37
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Worker	0.06	0.06	0.59	0.00	0.00	0.00	0.01	0.00	0.00	0.01		95.23		0.01		95.35
Total	1.46	13.87	8.70	0.02	0.07	0.59	0.67	0.07	0.59	0.67		2,095.17		0.08		2,096.72

3.5 Building Construction - 2013

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.20	16.33	10.77	0.02		1.04	1.04		1.04	1.04		1,945.40		0.20		1,949.52
Total	2.20	16.33	10.77	0.02		1.04	1.04		1.04	1.04		1,945.40		0.20		1,949.52

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.02	0.18	0.12	0.00	0.01	0.01	0.02	0.00	0.01	0.01		27.48		0.00		27.50
Worker	0.02	0.02	0.22	0.00	0.05	0.00	0.05	0.00	0.00	0.00		35.71		0.00		35.76
Total	0.04	0.20	0.34	0.00	0.06	0.01	0.07	0.00	0.01	0.01		63.19		0.00		63.26

3.5 Building Construction - 2013

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.20	16.33	10.77	0.02		1.04	1.04		1.04	1.04	0.00	1,945.40		0.20		1,949.52
Total	2.20	16.33	10.77	0.02		1.04	1.04		1.04	1.04	0.00	1,945.40		0.20		1,949.52

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.02	0.18	0.12	0.00	0.00	0.01	0.01	0.00	0.01	0.01		27.48		0.00		27.50
Worker	0.02	0.02	0.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00		35.71		0.00		35.76
Total	0.04	0.20	0.34	0.00	0.00	0.01	0.01	0.00	0.01	0.01		63.19		0.00		63.26

3.6 Paving - 2013

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.32	14.52	9.76	0.02		1.20	1.20		1.20	1.20		1,408.52		0.21		1,412.88
Paving	0.00					0.00	0.00		0.00	0.00						0.00
Total	2.32	14.52	9.76	0.02		1.20	1.20		1.20	1.20		1,408.52		0.21		1,412.88

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Worker	0.13	0.14	1.33	0.00	0.28	0.01	0.29	0.01	0.01	0.02		214.26		0.01		214.54
Total	0.13	0.14	1.33	0.00	0.28	0.01	0.29	0.01	0.01	0.02		214.26		0.01		214.54

3.6 Paving - 2013

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.32	14.52	9.76	0.02		1.20	1.20		1.20	1.20	0.00	1,408.52		0.21		1,412.88
Paving	0.00					0.00	0.00		0.00	0.00						0.00
Total	2.32	14.52	9.76	0.02		1.20	1.20		1.20	1.20	0.00	1,408.52		0.21		1,412.88

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Worker	0.13	0.14	1.33	0.00	0.01	0.01	0.02	0.01	0.01	0.02		214.26		0.01		214.54
Total	0.13	0.14	1.33	0.00	0.01	0.01	0.02	0.01	0.01	0.02		214.26		0.01		214.54

3.7 Architectural Coating - 2013

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	1.27					0.00	0.00		0.00	0.00						0.00
Off-Road	0.49	2.96	1.94	0.00		0.27	0.27		0.27	0.27		281.19		0.04		282.10
Total	1.76	2.96	1.94	0.00		0.27	0.27		0.27	0.27		281.19		0.04		282.10

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Worker	0.01	0.01	0.07	0.00	0.02	0.00	0.02	0.00	0.00	0.00		11.90		0.00		11.92
Total	0.01	0.01	0.07	0.00	0.02	0.00	0.02	0.00	0.00	0.00		11.90		0.00		11.92

3.7 Architectural Coating - 2013

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	1.27					0.00	0.00		0.00	0.00						0.00
Off-Road	0.49	2.96	1.94	0.00		0.27	0.27		0.27	0.27	0.00	281.19		0.04		282.10
Total	1.76	2.96	1.94	0.00		0.27	0.27		0.27	0.27	0.00	281.19		0.04		282.10

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Worker	0.01	0.01	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00		11.90		0.00		11.92
Total	0.01	0.01	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00		11.90		0.00		11.92

4.0 Mobile Detail

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.97	5.02	18.48	0.03	3.45	0.21	3.66	0.12	0.21	0.33		3,105.53		0.12		3,108.12
Unmitigated	1.97	5.02	18.48	0.03	3.45	0.21	3.66	0.12	0.21	0.33		3,105.53		0.12		3,108.12
Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Hospital	319.00	0.00	0.00	743,972	743,972
Parking Lot	0.00	0.00	0.00		
Total	319.00	0.00	0.00	743,972	743,972

4.3 Trip Type Information

Land Use	Miles			Trip %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW
Hospital	8.90	13.30	7.40	85.00	5.00	10.00
Parking Lot	8.90	13.30	7.40	0.00	0.00	0.00

5.0 Energy Detail

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.01	0.10	0.08	0.00		0.00	0.01		0.00	0.01		115.30		0.00	0.00	116.00
NaturalGas Unmitigated	0.01	0.10	0.08	0.00		0.00	0.01		0.00	0.01		115.30		0.00	0.00	116.00
Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU	lb/day										lb/day					
Hospital	980.055	0.01	0.10	0.08	0.00		0.00	0.01		0.00	0.01		115.30		0.00	0.00	116.00
Parking Lot	0	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00	0.00	0.00
Total		0.01	0.10	0.08	0.00		0.00	0.01		0.00	0.01		115.30		0.00	0.00	116.00

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU	lb/day										lb/day					
Hospital	0.980055	0.01	0.10	0.08	0.00		0.00	0.01		0.00	0.01		115.30		0.00	0.00	116.00
Parking Lot	0	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00	0.00	0.00
Total		0.01	0.10	0.08	0.00		0.00	0.01		0.00	0.01		115.30		0.00	0.00	116.00

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.16	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00		0.00
Unmitigated	0.16	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00		0.00
Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.00					0.00	0.00		0.00	0.00						0.00
Consumer Products	0.16					0.00	0.00		0.00	0.00						0.00
Landscaping	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00		0.00
Total	0.16	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00		0.00

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.00					0.00	0.00		0.00	0.00						0.00
Consumer Products	0.16					0.00	0.00		0.00	0.00						0.00
Landscaping	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00		0.00
Total	0.16	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00		0.00

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Vegetation

Localized Significance Analysis

SiteID	SR	Feet	Meters	SRA	AirBasin	Emissions		Thresholds		Exceedance	
						PM10	PM2.5	PM10	PM2.5		PM10
14094 Chamberlain St	Residence	62	18.9	7	S	1.39	1.2	4	3		No
11051 North O'Melven	School	12	3.7	7	S	1.39	1.2	4	3		No
0	0	0	0	21	S	#N/A	#N/A	11	4		#N/A
0	0	0	0	2	S	#N/A	#N/A	57	18		#N/A
0	0	0	0	7	S	#N/A	#N/A	136	68		#N/A

SiteID	SR	Feet	Meters	SRA	AirBasin	Emissions		Thresholds		Exceedance	
						NOx	CO	NOx	CO		NOx
14094 Chamberlain St	Residence	62	18.9	7	S	16.33	10.77	80	498		No
11051 North O'Melven	School	12	3.7	7	S	16.33	10.77	80	498		No
0	0	0	0	0	0	#N/A	#N/A	93	833		#N/A
0	0	0	0	0	0	#N/A	#N/A	156	2367		#N/A
0	0	0	0	0	0	#N/A	#N/A	191	7267		#N/A

Threshold Parameters to Compare to

1 acre site

25 m

APPENDIX B
Geotechnical Study



Converse Consultants

Geotechnical Engineering, Environmental & Groundwater Science, Inspection & Testing Services

GEOSEISMIC/GEOTECHNICAL STUDY REPORT
Proposed Teen Health Center
San Fernando High School
11133 O'Melveny Avenue
San Fernando, California

Converse Project No. 11-31-101-01

March 7, 2011

PREPARED FOR

Bernards
555 First Street
San Fernando, CA 91340





Converse Consultants

Geotechnical Engineering, Environmental & Groundwater Science, Inspection & Testing Services

March 7, 2011

Mr. Jack A. Hall, CCM
Bernards
555 First Street
San Fernando, CA 91340

Subject: **GEOSEISMIC/GEOTECHNICAL STUDY REPORT**
Proposed Teen Health Center
San Fernando High School
11133 O'Melveny Avenue
Converse Project No. 11-31-101-01

Dear Mr. Hall:

Enclosed is the geoseismic/geotechnical study report performed by Converse Consultants (Converse) for the proposed Teen Health Center Project planned within the campus of the San Fernando High School located at 11133 O'Melveny Avenue in San Fernando, California. The purpose of the study was to generate a report for geologic and geotechnical design parameters and the Division of State Architect (DSA) submittal purposes, consistent with current edition of 2010 California Building Code, Title 24, Chapter 16A - Structural Design, Chapter 18A - Soils and Foundations, Appendix J - Grading, California Geologic Survey-Note 48, Checklist for the Review of Engineering Geology and Seismology Reports for California Public Schools, Hospitals and Essential Services Buildings, and the California Administrative Code, Part 1, Title 24, Chapter 4, Section 4-317(e). Our services were performed in accordance with our proposal dated December 17, 2010.

Based on our field exploration, laboratory testing, geologic evaluation and geotechnical analysis, the site is suitable from a geotechnical standpoint for the proposed project, provided our conclusions and recommendations are implemented during design and construction.

We appreciate the opportunity to be of service to Bernards. If you should have any questions, please do not hesitate to contact us at (626) 930-1200.

CONVERSE CONSULTANTS

William H. Chu, P.E., G.E.
Senior Vice President/Principal Engineer

Dist: 5/Addressee
SCL/GDS/WHC/amm



PROFESSIONAL CERTIFICATION



This report for the Teen Health Center Project planned at the San Fernando High School campus located at 11133 O'Melveny Avenue in San Fernando, California has been prepared by the staff of Converse under the professional supervision of the individuals whose seals and signatures appear hereon.

The findings, recommendations, specifications or professional opinions contained in this report were prepared in accordance with generally accepted professional engineering and engineering geologic principles and practice in this area of Southern California. There is no warranty, either expressed or implied.

In the event that changes to the property occur, or additional, relevant information about the property is brought to our attention, the conclusions contained in this report may not be valid unless these changes and additional relevant information are reviewed and the recommendations of this report are modified or verified in writing.



Sean C. Lin, P.E., G.E.
Senior Engineer



Geoffrey D. Stokes, P.G., C.E.G.
Senior Geologist



William H. Chu, G.E.
Principal Engineer, Senior Vice President



EXECUTIVE SUMMARY

The following is the summary of our geotechnical study, findings, conclusions, and recommendations, as presented in the body of this report. Please refer to the appropriate sections of the report for complete conclusions and recommendations. In the event of a conflict between this summary and the report, or an omission in the summary, the report shall prevail.

- The proposed project consists of constructing an approximately 5,000 square feet Teen Health Center and new asphalt parking pavement. The proposed new structure will be likely to be wood or steel framed with shallow foundations and slab-on-grade. No basement is planned at this time.
- Five (5) exploratory borings (BH-1 through BH-5) were drilled within the project site on February 10, 2011. The borings were advanced using a truck mounted drill rig with an 8-inch diameter hollow stem auger to depths ranging from 15.5 to 50.5 feet below the existing ground surface (bgs).
- The boring data indicates that the site is underlain by a relatively thin layer of undocumented fill, and at depth by alluvial fan deposits. The thickness of undocumented fill ranges from 0.5 to 2 feet and consists of brown to brown to red brown sandy silt to silty sand. Alluvial fan deposits below the fill mainly consist of medium to coarse grained silty sand and gravelly sand with occasional cobbles to the depths explored of approximately 50.5 feet below ground surface.
- Groundwater was not encountered during our subsurface exploration. Review of the Seismic Hazard Evaluation Report for the San Fernando 7.5-minute Quadrangle (1998) indicates the historic high groundwater level is deeper than 100 feet below existing ground surface.
- The project site is not located within a currently designated State of California Earthquake Fault Zone (Alquist-Priolo Special Studies Zones) for surface fault rupture. No surface faults are known to project through or towards the site.
- The site is not located within a mapped Seismic Hazard Zone for either liquefaction or earthquake induced slope instability.
- The proposed single story building can be supported on conventional shallow foundations founded on future compacted fill, provided that the earthwork and design recommendations presented herein are incorporated into the design and construction of the proposed improvement.
- Based on laboratory test results, the upper five (5) feet of mixed undocumented fill and native alluvial soils have a "Very Low" expansion potential.



- Based on the soil corrosivity test results, the on-site soils are not considered to be corrosive to buried ferrous metals and concrete.

Results of our study indicate that the site is suitable from a geotechnical standpoint for the proposed development, provided that the recommendations contained in this report are incorporated into the design and construction of the project.



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1.0 INTRODUCTION

This report contains the findings and recommendations of our geoseismic/geotechnical study performed for the Teen Health Center Project planned at the San Fernando High School campus located at 11133 O'Melveny Avenue in San Fernando, California, as shown on Drawing No. 1, *Site Location Map*.

The purpose of the study was to generate a report for geologic and geotechnical design parameters and the Division of State Architect (DSA) submittal purposes, consistent with current edition of 2010 California Building Code, Title 24, Chapter 16A - Structural Design, Chapter 18A - Soils and Foundations, Appendix J - Grading, California Geologic Survey-Note 48, Checklist for the Review of Engineering Geology and Seismology Reports for California Public Schools, Hospitals and Essential Services Buildings, and the California Administrative Code, Part 1, Title 24, Chapter 4, Section 4-317(e).

This report is written for the project described herein and is intended for use solely by Bernards and their design team. It should not be used as a bidding document but may be made available to the potential contractors for information on factual data only. For bidding purposes, the contractors should be responsible for making their own interpretation of the data contained in this report.

2.0 SITE AND PROJECT DESCRIPTION

San Fernando High School is located at 11133 O'Melveny Avenue in San Fernando, California. The project site is relatively flat with approximate surface elevations of about 1009 feet above Mean Sea Level (MSL).

The proposed Teen Health Center site is located at the west side of O'Melveny Avenue and the south side of Chamberlain Street. The existing on-site improvements in the general vicinity of the planned project include asphalt pavement walkway, shelters, landscape, several mature trees and chain-link fencing.

We understand that the project area will be re-developed with an approximately 5,000 square feet Teen Health Center and new asphalt parking pavement. The health center building may consist of, but not limited to, five (5) examination rooms, four (4) counseling offices, a dispensary, conference rooms, a sterilization room, staff offices, waiting and reception room, nurses station, medical records room, two (2) dental chairs and all necessary ancillary spaces. The proposed new structure will be likely to be wood or steel framed with shallow foundations and slab-on-grade. No basement is planned at this time.



The coordinates of the subject site are North Latitude: 34.27092 and West Longitude: 118.44075. These coordinates at the subject site were used to calculate the earthquake ground motions. Review of the California Geologic Survey (CGS) publication Engineering Geology and Seismology for Public Schools, Colleges and Hospitals in California, dated August 9, 2005 (page 32) indicates that accuracy to within a few hundred meters of these coordinates is sufficient for the computation of the earthquake ground motion of the project site.

Existing structures are planned to be entirely demolished. In the absence of actual structural loads, we have assumed for the purpose of this study that the column loads will be on the order of 300 kips (dead plus live) and the wall loads will be on the order of 10 kips per linear foot.

3.0 SCOPE OF WORK

Our scope of work consists of the tasks described in the following subsections.

3.1 *Site Reconnaissance*

A Converse representative visited the site prior to drilling to assess the accessibility and to mark the boring locations. Five (5) boring locations (BH-1 through BH-5) were marked within the proposed project area. Underground Service Alert of Southern California was notified of our proposed drilling locations 48 hours prior to initiation of the subsurface field work.

3.2 *Subsurface Exploration and Percolation Testing*

Five (5) exploratory borings (BH-1 through BH-5) were drilled within the project site on February 10, 2011. The borings were advanced using a truck mounted drill rig with an 8-inch diameter hollow stem auger to depths ranging from 15.5 to 50.5 feet below the existing ground surface (bgs). The borings were visually logged by our engineer and sampled at regular intervals and at changes in subsurface soils. California Modified Sampler (Ring samples), Standard Penetration Test samples, and bulk soil samples were obtained for laboratory testing. Standard Penetration Tests (SPTs) were performed in selected borings at selected intervals using a standard (1.4 inches inside diameter and 2.0 inches outside diameter) split-barrel sampler.

The borings were backfilled with soil cuttings following the completion of drilling of each boring. The soil in the boring was densified by reverse spinning of the auger during the backfill operation and tamping of the backfill material with the auger. Each boring location was patched with asphalt concrete cold-patch, with the patch thickness matching the surrounding pavement section.



The approximate locations of the exploratory borings are shown on Drawing No. 2, *Site Plan and Boring Location Map*. For a description of the field exploration and sampling program see Appendix A, *Field Exploration*.

Boring BH-1 was used for percolation testing prior to backfill. Percolation test procedures and test results are further discussed in report section 6.4, *Percolation Testing* and Appendix D

3.3 Laboratory Testing

Representative samples of the site soils were tested in the laboratory to aid in the classification and to evaluate relevant engineering properties. The tests performed included:

- *In situ* moisture contents and dry densities (ASTM Standard D2216)
- Grain Size Distribution (ASTM Standard C136)
- Maximum Dry Density and Optimum-Moisture Content (ASTM Standard D1557)
- Direct Shear (ASTM Standard D3080)
- Consolidation/Collapse Potential (ASTM Standard D2435/D5333)
- Expansion Index (ASTM Standard D4829)
- Soil Corrosivity (Caltrans 643, 422, 417, and 532)
- R-Value (ASTM Standard D2844)

For a description of the laboratory test methods and test results, see Appendix B, *Laboratory Testing Program*. For *in-situ* moisture and dry densities, see the Logs of Borings in Appendix A, *Field Exploration*.

3.4 Analyses and Report

Data obtained from the exploratory fieldwork and laboratory-testing program were analyzed and evaluated with respect to the planned construction. This report was prepared to provide the findings, conclusions and recommendations developed during our study and evaluation.

4.0 GEOLOGIC CONDITIONS

4.1 Regional Geologic Setting

The planned Teen Health Center site is located within the northeastern portion of the San Fernando Valley, a broad sediment filled basin located between the San Gabriel



and Santa Monica Mountains, in the Transverse Ranges geomorphic province of California. The San Fernando Valley is underlain by deep alluvial sediments that have been deposited over time by river and stream channels draining from the surrounding mountains. The alluvial deposits consist primarily of gravels, sands and clays. Drawing No. 3, *Geologic Map of Site Vicinity*, based on the Geologic Map of the San Fernando and Van Nuys (North ½) Quadrangles (Dibblee, 1991) has been prepared to show the location of the project site with respect to the regional geology.

The San Fernando Valley is bounded by San Gabriel and Santa Susana Mountains on the north, the Santa Monica Mountains on the south, Verdugo Hills on the east and is situated at the junction of two major convergent fault systems. The first group includes the northwest-trending high angle strike slip faults of the San Andreas system, San Jacinto fault zone, Whittier-Elsinore fault system, and Newport-Inglewood fault zone. The second group includes the east-west trending low angle reverse or reverse-oblique faults bounding the south margin of the Transverse Range province. Faults in this group include the Malibu-Santa Monica, Hollywood, Raymond and Sierra Madre fault zones. The San Fernando Valley is bounded by active faults and is underlain by buried thrust faults. The seismic hazard for the San Fernando Valley and vicinity is high.

4.2 Geology and Subsurface Profile of Project Site

Review of the Geologic Map of the San Fernando and Van Nuys (North ½) Quadrangles (Dibblee, 1991) indicates that the site is underlain by Holocene-age (last 11,000 years) alluvial deposits (map symbol Qa) derived from the San Gabriel Mountains to the north. Borings drilled for this project indicate that the site is underlain by a thin layer of undocumented fill soils (Af). The fill material encountered ranges from approximately 0.5 feet to 2 feet thick, and generally consists of brown silty sand.

Alluvial deposits were encountered in all five borings drilled to the maximum depth explored of 50.5 feet bgs. The alluvial deposits mainly consist of fine to medium-grained silty sand and gravelly sand with occasional cobbles. Drawing No. 4, *Geologic Cross Section A-A'* has been drawn across the site to illustrate the subsurface conditions.

For additional information on the subsurface conditions, see the Logs of Borings data in Appendix A, *Field Exploration*.

4.3 Groundwater

Groundwater was not encountered during our subsurface exploration. Review of the Seismic Hazard Evaluation Report for the San Fernando 7.5-minute Quadrangle (1998) indicates the historic high groundwater level is deeper than 100 feet below existing ground surface.



The groundwater level beneath the site can vary depending upon the seasonal precipitation and groundwater basin activities including recharge, storage and pumping occurring in the general site vicinity.

4.4 Subsurface Variations

Based on results of the subsurface exploration and our experience, some variations in the continuity and nature of subsurface conditions within the project site should be anticipated. Because of the uncertainties involved in the nature and depositional characteristics of the earth material at the site, care should be exercised in interpolating or extrapolating subsurface conditions between or beyond the boring locations. If, during construction, subsurface conditions differ significantly from those presented in this report, this office should be notified immediately so that recommendations can be modified, if necessary.

4.5 Flooding

The project site is approximately 2.75 miles southwest (downstream) of the Pacoima Reservoir, and 600 feet northwest of the Pacoima Wash. Review of the FEMA Flood Zones interactive webpage (<http://msc.fema.gov>) indicates that the site is located within Zone "X" – which is an area outside of the 0.2% annual chance floodplain.

5.0 FAULTING AND SEISMIC HAZARDS

The project site is not located within a currently designated State of California Earthquake Fault Zone (Alquist-Priolo Special Studies Zones) for surface fault rupture. No surface faults are known to project through or towards the site. Inferred, buried traces of the Verdugo fault are mapped several hundred feet to the north by Dibblee. The closest known faults to the project site with mappable surface expressions are the Sierra Madre-San Fernando Fault (2.8 kilometers to the north) and the Sierra Madre-Santa Susana Fault (7.7 kilometers to the northeast). The concealed Northridge Blind Thrust Fault, a buried fault modeled below the site, along with other regional blind thrust faults was included as a capable seismic source for the probabilistic seismic hazard analysis for the site. The approximate locations of these local active faults with respect to the project site are tabulated on Table No. 1, *Summary of Regional Faults*, and are shown on Drawing No. 5, *Southern California Regional Fault Map*.

5.1 Seismic Characteristics of Nearby Faults

The subject site is situated within a seismically active region. As is the case for most areas of Southern California, ground-shaking resulting from earthquakes associated with nearby and more distant faults may occur at the project site. During the life of the



project, seismic activity associated with active faults can be expected to generate moderate to strong ground shaking at the site.

There are a number of nearby fault systems, which could produce ground shaking at the site during a major earthquake. Table No. 1, *Summary of Regional Faults*, summarizes selected data of known faults capable of seismic activity within 50 kilometers of the site. The data presented below was calculated using EQFAULT Version 3.0 with updated fault data from "The Revised 2002 California Probabilistic Seismic Hazard Maps (Cao et al., 2003)", Appendix A, and other published geologic data.

Table No. 1, Summary of Regional Faults

Fault Name and Section	Approximate * Distance to Site (kilometers)	Max. Moment Magnitude (Mmax)	Slip Rate* (mm/yr)
Northridge	0.0	7.0	1.50
Verdugo	2.2	6.8	0.50
Sierra Madre (San Fernando)	2.8	6.7	2.00
Santa Susana	7.7	6.7	5.00
San Gabriel	10.9	7.2	1.00
Sierra Madre	13.3	7.2	2.00
Hollywood	15.3	6.4	1.00
Holser	16.2	6.5	0.40
Santa Monica	18.2	6.6	1.00
Upper Elysian Park	22	6.4	1.3
Raymond	23.7	6.5	1.50
Malibu Coast	24.8	6.7	0.30
Newport-Inglewood (L.A. Basin)	27.1	7.1	1.00
Oak Ridge (Onshore)	27.6	7.0	4.00
Simi-Santa Rosa	32.9	7.0	1.00
Anacapa-Dume	33.4	7.3	3.00
Clamshell-Sawpit	33.4	6.5	0.50
San Cayetano	34.8	6.8	6.00
Palos Verdes	34.9	7.1	3.00

* Review of published geologic data and mapping including Appendix A of the 2002 California Fault Parameters Report (Cao et al., 2003).

5.2 Seismic History

An analysis of the seismic history of the site was conducted using the computer program EQSEARCH, (Blake, 2000), and attenuation relationships proposed by Bozorgnia et. al. (1999) for alluvium soil conditions. Based on the analysis of seismic



history, the number of earthquakes and aftershocks with a moment magnitude of 5.0 or greater occurring within a distance of 100 kilometers was 117, since the Year 1900. Based on the analysis, the largest earthquake induced ground acceleration affecting the site since the year 1900 was approximately 0.2g, from the local magnitude 6.7 Northridge earthquake in 1994.

Drawing No. 6, *Epicenters Map of Southern California Earthquakes (1800-1999)* shows the mapped location of earthquake epicenters with magnitude 5.0 or greater in Southern California during the past 200 years. This historical seismicity map was prepared using the southern portion of Map Sheet 49, *Epicenters and Areas Damaged by $M \geq 5$ California Earthquakes, 1800-1999*, CGS, Topozada and others 2000.

5.3 Seismic Hazards

In addition to direct effects on structures, strong ground shaking from earthquakes can also produce other side effects that include surface fault rupture, soil liquefaction, lateral spreading, seismically induced settlement, ground lurching, landsliding, earthquake-induced flooding, seiches, and tsunamis. Drawing No. 7, *Seismic Hazard Zones Map*, has been prepared to show the mapped location of potential liquefaction and earthquake-induced landslide areas near the project site. The State of California Seismic Hazard Zone Map for the San Fernando Quadrangle (January 1, 1999) shows the project site is not located within an area of potential liquefaction. The project site is also not shown with any earthquake-induced landslide areas due to the relatively flat condition of the site topography.

Results of a site-specific evaluation for each type of possible seismic hazard are explained below:

5.3.1 Surface Fault Rupture

The site is not located within a currently designated State of California Earthquake Fault Zone. Based on a review of existing geologic information, no known active fault zone crosses or projects toward the site. The potential for surface rupture resulting from the movement of the nearby major faults is considered remote.

5.3.2 Liquefaction and Seismically-Induced Settlement

Liquefaction is the sudden decrease in the strength of cohesionless soils due to dynamic or cyclic shaking. Saturated soils behave temporarily as a viscous fluid (liquefaction) and, consequently, lose their capacity to support the structures founded on them. The potential for liquefaction decreases with increasing clay and gravel content, but increases as the ground acceleration and duration of



shaking increase. Liquefaction potential has been found to be the greatest where the groundwater level and loose sands occur within 50 feet of the ground surface. The site is not located within a mapped Seismic Hazard Zone for liquefaction (CDMG, 1999) as shown in Drawing No. 7, *Seismic Hazard Zones Map*. Site specific exploration did not encounter groundwater to a depth of 50.5 feet bgs. Historic high groundwater levels for the subject site presented in the Seismic Hazard Evaluation Report for the San Fernando 7.5-minute Quadrangle (1998) indicate groundwater levels deeper than 100 feet.

Based on the results of our subsurface exploration, including the absence of groundwater within 50 feet, and our experience on similar projects we anticipate liquefaction potential to be very low and seismically-induced settlement to be negligible.

5.3.3 Lateral Spreading

Seismically induced lateral spreading involves primarily lateral movement of earth materials due to ground shaking. It differs from the slope failure in that complete ground failure involving large movement does not occur due to the relatively smaller gradient of the initial ground surface. Lateral spreading is demonstrated by near-vertical cracks with predominantly horizontal movement of the soil mass involved. The topography at the project site and in the immediate vicinity of the site is relatively flat, with no nearby slopes or embankments. Under these circumstances, the potential for lateral spreading at the subject site is considered negligible.

5.3.4 Seismically-Induced Slope Instability

Seismically induced landslides and other slope failures are common occurrences during or soon after earthquakes. The project site is very flat. In the absence of significant ground slopes, the potential for seismically induced landslides to affect the proposed site is considered to be nil.

5.3.5 Earthquake-Induced Flooding

This is flooding caused by failure of dams or other water-retaining structures as a result of earthquakes. The potential of earthquake induced flooding of the subject site is considered to be remote because of regional flood control structures and the fact the site is listed in a non-flood area by FEMA.

5.3.6 Tsunami and Seiches



Tsunamis are tidal waves generated by fault displacement or major ground movement. Based on the location of the site from the ocean (over 25 kilometers), tsunamis do not pose a hazard. Seiches are large waves generated in enclosed bodies of water in response to ground shaking. Based on site location away from lakes and reservoirs, seiches do not pose a hazard.

5.3.7 Volcanic Eruption Hazard

There are no known volcanoes near the site. According to Jennings (1994), the nearest potential hazards from future volcanic eruptions is the Amboy Crater-Lavic Lake area located in the Mojave Desert more than 140 miles east of the site. Volcanic eruption hazards are not present.

6.0 SEISMIC ANALYSIS

6.1 *CBC Seismic Design Parameters*

Seismic design parameters based on the 2010 California Building Code, calculated using the site coordinates (34.2709 degrees North Latitude, 118.4407 degrees West Longitude) by Ground Motion Parameter Calculator developed by the United States Geological Survey are provided below.

Table No. 2, CBC Seismic Parameters

Seismic Parameters	
Site Class	D
Mapped Short period (0.2-sec) Spectral Response Acceleration, S _s	2.209g
Mapped 1-second Spectral Response Acceleration, S ₁	0.808g
Site Coefficient (from Table 1613.5.3(1)), F _a	1.0
Site Coefficient (from Table 1613.5.3(2)), F _v	1.5
MCE 0.2-sec period Spectral Response Acceleration, S _{MS}	2.209g
MCE 1-second period Spectral Response Acceleration, S _{M1}	1.212g
Design Spectral Response Acceleration for short period, S _{DS}	1.473g
Design Spectral Response Acceleration for 1-second period, S _{D1}	0.808g



6.2 Site-Specific Response Spectrum

The subject site is not located in a Seismic Hazard Zone, or in an Alquist-Priolo Earthquake Fault Zone or in the Safety Element of a Local General Plan. Based on 2010 CBC Section 1615A.1.2, a site-specific ground motion analysis is not required.

7.0 LABORATORY TESTING

Representative samples of the site soils were tested in our laboratory and the laboratory of Environmental Geotechnology Laboratory, Inc. of Arcadia to aid in the classification and to evaluate relevant engineering properties. Results of the various laboratory tests are summarized discussed below. For a more detailed description of the laboratory test methods and test results, see Appendix B, *Laboratory Testing Program*.

- *In-situ* Moisture and Dry Density – Results of *in-situ* moisture and dry density tests are presented on the Log of Borings in Appendix A, *Field Exploration*.
- Grain Size Analysis – Two (2) representative samples were tested to evaluate the relative grain size distribution of sandy samples. Results are presented in Appendix B, *Laboratory Testing Program*, and indicate the samples tested are predominately silty sand.
- Maximum Dry Density and Optimum Moisture Content – The moisture-density relationship of one (1) representative near surface soil sample are presented in Appendix B, *Laboratory Testing Program*. The test results indicate that the laboratory maximum dry density for representative samples of the upper six feet of soil is 136 pounds per cubic foot (pcf) at 10 percent moisture content.
- Direct Shear – Two (2) direct shear tests were performed on a representative in-situ sample. Results of the direct shear testing are presented in Appendix B, *Laboratory Testing Program*.
- Consolidation Test – Two (2) consolidation tests were performed on representative sample of the site soils encountered within the upper 10 feet. The results of the testing are presented in Appendix B, *Laboratory Testing Program*. Based on the results of the test, the compressibility of the site soils is considered slightly compressible.
- Expansion Index – One (1) representative samples from the upper five (5) feet bgs of the site soil were tested to evaluate Expansion Index (EI). The test results indicate that the site soils have a very low expansion potential (EI less than 20).
- Soil Corrosivity – One (1) representative sample of the site soils was tested to evaluate soil corrosivity with respect to common construction materials such as concrete and steel. The test results are presented in Appendix B, *Laboratory*



Testing Program. Test results are also discussed in Section 11.7, *Soil Corrosivity Evaluation*.

For additional information on the subsurface conditions, see the Logs of Borings in Appendix A, *Field Exploration*.

8.0 PERCOLATION TESTS

Percolation testing was performed utilizing one (1) exploratory boring (BH-1) on February 10, 2011. Test was performed using the Falling Head Test Method.

The boring was cased using a combination of three-inch diameter perforated casing. 20-foot section of perforated casing (from 0 feet to 20 feet bgs) was used at bore hole. Water was added to the bore hole until the water level was at the ground surface and allowed to presoak for at least 2 hours. After pre-soak, water was added to the bore hole until the water level was at the ground surface. The water level was measured to the nearest 1/100-foot and recorded after 10 minutes due to high percolation rate of on-site sandy soil. Readings were taken for approximate every 10 minutes for a period of 1 hour. The results of the percolation tests are tabulated below and in Appendix D, *Percolation Testing*.

Table No. 3, Percolation Test Results

Boring No.	Depth of Boring (feet)	Predominant Soil Types (USCS)	Average Percolation Rate (minutes/inch)
BH-1	20	Silty Sand (SM)	48

9.0 GEOTECHNICAL EVALUATION AND CONCLUSION

Based on the results of our background review, subsurface exploration, laboratory testing, geotechnical analyses, and understanding of the planned site re-development, it is our opinion that the proposed project is feasible from a geotechnical standpoint, provided the following conclusions and recommendations are incorporated into the project plans, specifications, and are followed during site construction.

The following is a summary of the major geologic and geotechnical factors to be considered for the planned project:

- The site is suitable from a geotechnical viewpoint for the proposed construction of the San Fernando High School Teen Health Center Project.



- Variable thickness undocumented fill soils were encountered in the borings, with depths in the order of 0.5 to two (2) feet below the existing ground surface. Thicker fills or disturbed soils during removal of existing structures and trees may exist at the site. The fill soils encountered in the borings generally consist of sandy silt and fine-grained silty sand.
- Remedial grading for building pad will be needed to over-excavate and re-compact existing undocumented fill soils and disturbed soils due to removal of the existing structures or trees for foundation and slab/pavement support. Following remedial grading, compacted fill soils are anticipated to have similar engineering characteristics with the underlying medium dense alluvial soils.
- The undocumented fill soils and underlying native alluvial soils consist of sandy silt and silty sand soils. These soils are considered suitable for use as compacted fill.
- The proposed single story structure may use a conventional foundation system (spread footings and isolated pads) with slab-on-grade, supported on compacted fill.
- Groundwater was not encountered in the exploratory borings drilled and is not anticipated within the zone of construction.
- The upper five (5) feet of mixed undocumented fill and native alluvial soils have a “Very Low” expansion potential. Expansive soil mitigation measures for foundations supported on future fill soils derived from on-site sources, or supported on native alluvial soils are not anticipated.
- Site soils have “negligible” concentrations of water soluble sulfates.
- Laboratory testing indicates that site soils, in general, are considered “non-corrosive” to ferrous metals.
- The sandy soils tested for collapse/consolidation indicate a slight potential for collapse, and a potential for slightly compressibility under increased loads and saturated conditions.
- There are no known active faults projecting toward or extending across the proposed site. The site is not situated within a currently designated Alquist-Priolo Earthquake Fault Zone (formerly Special Studies Zones).
- The site is not located within a mapped Seismic Hazard Zone for either liquefaction or earthquake induced slope instability.
- Although clear of geologic hazards associated with fault rupture, liquefaction and slope instability, the site is located within a seismically active area and will be subject to intense ground motion during a significant seismic event. Site-specific parameters for seismic design are provided in the report, formulated in general accordance with Chapter 16A, Sections 1613 and 1614 of the 2010 California Building Code.



10.0 EARTHWORK RECOMMENDATIONS

10.1 General

Based on our field exploration, laboratory testing, and analyses of subsurface conditions at the site, remedial over-excavation grading is required to provide a relatively uniform soil condition across the site for support of the planned Teen Health Center project. To help reduce the potential for differential settlement, variations in the soil type, degree of compaction, and thickness of the compacted fill placed underneath the footings and slab should be kept uniform. Site grading recommendations provided in this report are based on our experience with similar projects in the area and our site-specific geotechnical evaluation.

The existing undocumented fill soils and native soils removed during over-excavation may be placed as compacted fill in structural areas after proper processing (free of vegetation, shrubs, roots and debris). The site soil materials may contain scattered demolition debris. Earthwork should be performed with suitable equipment and techniques to selectively screen/remove debris from soils placed as engineered fill.

Soils containing organic materials should not be used as structural fill. The extent of over-excavation removal should be further evaluated by the geotechnical representative based on observations during grading.

10.2 Over-Excavation/Removal

Remedial grading is recommended to over-excavate and re-compact existing undocumented fill soils and disturbed soils due to removal of the existing structures or trees for foundation and slab/pavement support. The footprint of the new building structure should be over-excavated to depth of at least two (2) feet as measured from existing grades, or to the depths of undocumented fill, whichever is deeper. Localized deeper removal will be needed where firm native soils are not exposed on the excavation bottom. The exposed bottom of the over-excavation area should be scarified at least 6 inches, moisture conditioned as needed to near-optimum moisture content, and compacted to 90 percent relative compaction (laboratory maximum density evaluated per ASTM D1577).

The lateral limits of the over-excavation should extend at least 5 feet beyond the building footprint, where feasible. However, over-excavation should not undermine adjacent off-site improvements. Remedial grading should not extend within a projected 1:1 (horizontal to vertical) plane projected down from the outer edge of adjacent off-site improvements.



Parking pavement and hardscape areas beyond the footprint of new building structures should be over-excavated to a depth of at least 1 foot, as measured from existing grades. Deeper removal will be needed if firm soil conditions are not exposed on the excavation bottom. The exposed bottom of the over-excavation area should be scarified at least 6 inches, moisture conditioned as needed to near-optimum moisture content, and compacted to 90 percent relative compaction. The upper 12 inches of subgrade below new parking pavement areas should be compacted to 95 percent relative compaction. The lateral limits of the over-excavation should extend at least 2 feet beyond the pavement/hardscape areas, where feasible.

10.3 Engineered Fill

The approved bottom of the excavations should be scarified to a depth of at least six (6) inches. The scarified soils should be moisture conditioned to near-optimum moisture content and compacted to at least 90 percent of the laboratory maximum dry density to produce a firm and unyielding surface.

All engineered fill should be placed on competent, scarified and compacted native materials as evaluated by the geotechnical engineer and in accordance with the specifications presented in this section.

Excavated site soils, free of deleterious materials and rock particles larger than three (3) inches in the largest dimension, should be suitable for placement as compacted fill. Any proposed import fill should be evaluated and approved by Converse prior to import to the site. Import fill material should have an expansion index less than 20.

Prior to compaction, fill materials should be thoroughly mixed and moisture conditioned to within three (3) percent of the optimum moisture content. All fill, if not specified otherwise elsewhere in this report, should be compacted to at least 90 percent of the laboratory dry density in accordance with the ASTM Standard D1557 test method. The upper 12 inches of subgrade below new parking pavement areas should be compacted to 95 percent relative compaction.

At the time of our recent field exploration, *in-situ* moisture content of the upper five (5) feet of existing soils ranged from 7 to 14 percent. The optimum moisture content is about 10 percent. Therefore, some moisture conditioning may be necessary prior to the material being placed as compacted fill. The amount of processing required for proper moisture conditioning at the site will depend on the seasonal variations in the *in-situ* moisture conditions, the depth of cut, the equipment, and the processing method.



10.4 Excavatability

Based on our field exploration, the earth materials at the site may be excavated with conventional heavy-duty earth moving and trenching equipment. The onsite materials may contain occasional demolition debris. Earthwork should be performed with suitable equipment and methods for removal of debris from the engineered fill.

10.5 Expansive Soil

The result of expansion index testing indicated very low expansion potential (EI less than 20). The recommendations contained in this report are based upon the anticipated non-expansion soil conditions. Any proposed import fill should have an expansion index less than 20, and should be evaluated and approved by Converse prior to import to the site.

10.6 Shrinkage and Subsidence

Soil shrinkage and/or bulking as a result of remedial grading depends on several factors including the depth of over-excavation, and the grading method and equipment utilized, and average relative compaction. For preliminary estimation, bulking and shrinkage factors for various units of earth material at the site may be taken as presented below:

- The approximate shrinkage factor for the undocumented fill soils is estimated to range from ten (10) to twenty (20) percent.
- The approximate shrinkage factor for the native alluvial soils is estimated to range from five (5) to fifteen (15) percent.
- For estimation purposes, ground subsidence may be taken as 0.15 feet as a result of remedial grading.

Although these values are only approximate, they represent our best estimates of the factors to be used to calculate lost volume that may occur during grading. If more accurate shrinkage and subsidence factors are needed, it is recommended that field-testing using the actual equipment and grading techniques be conducted.

11.0 DESIGN RECOMMENDATIONS

The proposed building structures may be supported on spread footings extending into properly compacted fill.



11.1 Shallow Foundations

The design recommendations provided in this section are based on the assumption that in preparing the site, earthwork and grading recommendations presented in Section 10.2 and 10.3 and Appendix C will be implemented. The proposed building structures may be supported on shallow continuous and isolated spread foundations provided our recommendations are incorporated in the design and construction plans.

11.1.1 Vertical Capacity

Shallow continuous footing should be at least 15 inches wide and embedded at least 18 inches below lowest adjacent grade into compacted fill soils. The footing reinforcement should be based on the structural design. Conventional spread footings founded on compacted fill soils may be designed for a net bearing pressure of 2,000 pounds per square foot (psf) for dead-plus-live-loads.

The net allowable bearing pressure can be increased by 300 psf for each additional foot of excavation depth and width up to a maximum value of 3,000 psf.

The net allowable bearing values indicated above are for the dead loads and frequently applied live loads and are obtained by applying a factor of safety of 3.0 to the net ultimate bearing capacity.

11.1.2 Lateral Capacity

Resistance to lateral loads can be assumed to be provided by friction acting at the base of foundations and by passive earth pressure. A coefficient of friction of 0.3 between concrete and soil may be used with the dead load forces. An allowable passive earth pressure may be designed using an equivalent fluid pressure of 300 pcf for compacted fill or native soils. A factor of safety of 1.5 was applied in calculating passive earth pressure. The maximum value of the passive earth pressure should be limited to 2,500 psf for compacted fill or native soils. When combining passive and friction for lateral resistance, the passive component should be reduced by one-third.

11.1.3 Dynamic Increases

Vertical and lateral bearing values indicated above are for the total dead loads and frequently applied live loads. If normal code requirements are applied for design, the above vertical bearing and lateral resistance values may be increased by 33 percent for short duration loading, which will include the effect of wind or seismic forces.



11.1.4 Settlement

The static settlement of structures supported on continuous and/or spread footings founded on compacted fill and/or dense native soils will depend on the actual footing dimensions and the imposed vertical loads. Based on the maximum allowable net bearing pressures presented above, static settlement is anticipated to be less than 0.5 inch. In order to evaluate differential settlement, data on the relative dimension of adjacent footings, magnitude of imposed loads and distance between footings is needed. In the absence of such data, and based on our experience on similar projects for similarly loaded footings, the differential settlement may be taken as equal to about one half of the total settlement over a horizontal distance of 50 feet.

11.2 Provisional Active Earth Pressure

The following provisional design values may be used for any utility vaults and/or walls below grade that are less than 8 feet high. As we understand, basement walls are not currently planned, but there may be some subsurface utility vaults.

The earth pressure behind any buried wall depends primarily on the allowable wall movement, type of backfill materials, backfill slopes, wall inclination, surcharges, and any hydrostatic pressure. The following fluid pressures are recommended for vertical walls with no hydrostatic pressure, no surcharge, and level backfill.

Equivalent Fluid Pressure	
Cantilever Wall (Active pressure)	30 (Triangular Distribution)
Restrained Wall (At-rest pressure)	45 (Triangular Distribution)

The recommended lateral pressures assume that the walls are fully back-drained to prevent build-up of hydrostatic pressure. Adequate drainage could be provided by means of permeable drainage materials wrapped in filter fabric installed behind the walls. The drainage system should consist of perforated pipe surrounded by free draining, uniformly graded, $\frac{3}{4}$ -inch washed, crushed aggregate, and wrapped in filter fabric such as Mirafi 140N or equivalent, and should extend to about 2 feet below the finished grade. The filter fabric should overlap approximately 12 inches or more at the joints. The subdrain pipe should consist of perforated, four-inch diameter, rigid ABS (SDR-35) or PVC A-2000, or equivalent, with perforations placed down. Alternatively, a prefabricated drainage composite system such as the Miradrain G100N or equivalent can be used. The subdrain should be connected to a sump pump.

11.3 Modulus of Subgrade Reaction



For the subject project, design of the structures supported on compacted fill subgrade prepared in accordance with the recommendations provided in this report may be based on a soil modulus of subgrade reaction (k_s) of 150 pounds per square inch per inch.

11.4 Slabs-on-grade

The design of the slab-on-grade will depend on, among other factors, the expansion potential of the pad soils. Based on the expansion index test performed during this evaluation, the expansion potential of the site soils at a shallow depth is very low (EI less than 20). Accordingly, slabs-on-grade for building pads may be of the conventional type as opposed to post-tensioned.

Slabs-on-grade should be supported on properly compacted fill or deeper undisturbed native soils. Compacted fill used to support slabs-on-grade should be placed and compacted in accordance with report section 10.0 Recommendations – Earthwork and Site Grading, and the general recommendations given in Appendix C, *Recommended Earthwork Specifications*.

Slabs-on-grade should have a minimum thickness of four inches nominal for support of normal ground-floor live loads. Minimum reinforcement for slabs-on-grade should be No. 3 reinforcing bars, spaced at 18 inches on-center each way. The thickness and reinforcement of more heavily-loaded slabs will be dependent upon the anticipated loads and should be designed by a structural engineer. A static modulus of subgrade reaction equal to 140 pounds per square inch per inch may be used in structural design of concrete slabs-on-grade.

If approved by the owner, equivalent welded wire mesh may be used for reinforcement of concrete slabs-on-grade. However, to be effective, it is imperative that the reinforcement be located within the center third of the slab thickness. The commonly used procedure of “hooking” the reinforcement during concrete placement seldom, if ever, results in proper location of the slab reinforcing.

It is critical that the exposed subgrade soils should not be allowed to desiccate prior to the slab pour. Care should be taken during concrete placement to avoid slab curling. Slabs should be designed and constructed as promulgated by the ACI and Portland Cement Association (PCA). Prior to the slab pour, all utility trenches should be properly backfilled and compacted.

If moisture-sensitive floor coverings, such as vinyl tile, carpet, or wood floors, are used, slabs should be protected by a minimum 10-mil thick moisture retarder/barrier in conformance with ASTM E 1745 Class A requirements. If the retarder/barrier is used, it



should be protected with 2 inches of sand placed above to prevent punctures and to aid in the concrete cure.

11.5 Flexible Pavement Recommendations

We have performed flexible pavement design analyses to provide pavement structural sections for new driveway and/or parking areas. An R-value of 35 was used for pavement design based on our review of on-site fine-grained sandy earth materials and our experiences with similar projects. Our recommendations are presented as the following:

The flexible pavement structural section design recommendations were performed in accordance with the method contained in the *CALTRANS Highway Design Manual*, Chapter 630 without the factor of safety. No specific traffic study was performed to determine the Traffic Index (TI) for the proposed project, therefore a wide range of TI values were evaluated. The recommended flexible pavement structural sections for various TI conditions are presented in the following table:

Table No. 4, Flexible Pavement Structural Sections

Design R-value	Design TI	Asphalt Concrete (AC) Over Aggregate Base (AB) Structural Sections		Full AC Structural Section
		AC (inches)	AB (inches)	AC (inches)
35	4	3.0	3.0	4.0
	5	4.0	3.0	5.0
	6	5.0	4.5	6.5
	7	6.0	6.5	8.0
	8	7.0	7.5	9.0
	9	8.0	8.0	10.5

Actual traffic index and traffic load should be determined by either Civil Engineer or Traffic Engineer. The above pavement sections are recommended as a guideline for basic usage of the indicated TI values, and may not be sufficient for actual traffic loading.

Base material shall conform to requirements for a Class 2 Aggregate Base (AB) or equivalent (such as crushed miscellaneous base - CMB) and should be placed in accordance with the requirements of the Standard Specifications for Public Works Construction (SSPWC, 2010 Edition).



Asphaltic materials should conform to Section 203-1, "*Paving Asphalt*," and Section 302-5, "*Asphalt Concrete Pavement*," of the SSPWC, 2010 edition.

11.6 Rigid Pavement Design

The Portland Cement Association's (PCA's) Southwest Region Publication P-14, *Portland Cement Concrete Pavement (PCCP) for Light, Medium, and Heavy Traffic*, presents a "*Portland Cement Concrete Pavement (PCCP) Design Nomograph for Cities and Counties Roads*." The pavement section presented in Table No. 5, *Rigid Pavement Structural Sections*, is based on this nomograph. Pavement sections are provided for the Traffic Indices (TIs) ranging from 4 to 9. An R-value of 35 was used for pavement design based on our review of on-site sandy earth materials and our experiences with the nearby projects on the campus.

Table No. 5, Rigid Pavement Structural Sections

Design R-Value	Design Traffic Index (TI)	PCCP Pavement Section (inches)
35	4.0	6.00
	5.0	6.25
	6.0	6.75
	7.0	7.00
	8.0	7.25
	9.0	7.5

Actual traffic index and traffic load should be determined by either Civil Engineer or Traffic Engineer. The above pavement section is recommended for basic usage as indicated in the table and may not be sufficient for actual traffic loading.

Prior to placement of base aggregate, at least the upper 12 inches of subgrade soils below rigid pavement sections should be scarified, moisture-conditioned, if necessary, and recompact to at least 95 percent relative compaction as defined by the ASTM D 1557 standard (current edition) test method.

The pavement section presented in Table No. 4 is based on a minimum 28-day Modulus of Rupture (M-R) of 550 psi and a compressive strength of 3,000 psi. The third point method of testing beams should be used to evaluate modulus of rupture. The concrete mix design should contain a minimum cement content of 5.5 sacks per cubic yard. Recommended maximum and minimum values of slump for pavement concrete are three inches to one inch, respectively.

Transverse contraction joints should not be spaced more than 15 feet and should be cut to a depth of $\frac{1}{4}$ the thickness of the slab. Longitudinal joints should not be spaced more



than 12 feet apart. A longitudinal joint is not necessary in the pavement adjacent to the curb and gutter section.

All outside edges should conform to Section 201 of the 2010 Standard Specifications for Public Works Construction (SSPWC), and should be constructed in accordance with Section 302-6 of the SSPWC. Pavement subgrade should be prepared in accordance with Section 301 of the SSPWC. The upper 12 inches of subgrade should be compacted to a relative compaction of at least 95 percent as per the current ASTM D 1557 standard.

Positive drainage should be provided away from all pavement areas to prevent seepage of surface and/or subsurface water into the pavement base and/or subgrade.

11.7 Soil Corrosivity Evaluation

Converse contained the Environmental Geotechnical Laboratory, Inc., located in Arcadia, California, to test one (1) bulk soil samples taken in the general area of the proposed structures. The tests included minimum resistivity, pH, soluble sulfates, and chloride content, with the results summarized on the following table:

Table No. 6, Soil Corrosivity Test Results

Boring No.	Sample Depth (feet)	pH (Caltrans 643)	Soluble Chlorides (Caltrans 422) ppm	Soluble Sulfate (Caltrans 417) ppm	Saturated Resistivity (Caltrans 643) Ohm-cm
BH-4	1-5	7.75	85	160	2,300

According to the Caltrans Corrosive Guidelines (2003), a corrosive area is one where any of the following conditions exist: the soil contains more than 500 ppm of chlorides, more than 2,000 ppm (0.2 percent) of sulfates, a pH of 5.5 or less, and a resistivity of 1,500 ohm-centimeters or less.

Since the soluble sulfate concentrations tested for this project are less than 2,000 ppm in the soil, mitigation measures to protect concrete in contact with the soils are not anticipated.

The pH, chloride content and resistivity values of the samples tested are in the non-corrosive range.

The test results presented herein are considered preliminary. Additional testing and evaluation of the as-graded soils is recommended. A corrosion engineer may be consulted for appropriate mitigation procedures and construction design, if needed. Conventional corrosion mitigation measures may include the following:



- Steel and wire concrete reinforcement should have at least three inches of concrete cover where cast against soil, unformed.
- Below-grade ferrous metals should be given a high-quality protective coating, such as 18-mil plastic tape, extruded polyethylene, coal-tar enamel, or Portland cement mortar.
- Below-grade metals should be electrically insulated (isolated) from above-grade metals by means of dielectric fittings in ferrous utilities and/or exposed metal structures breaking grade.

11.8 Site Drainage

Adequate positive drainage should be provided away from the structure foundations to prevent ponding and to reduce percolation of water into the foundation soils. We recommend that any landscape areas immediately adjacent to the foundation shall be designed sloped away from the foundation with a minimum 5% slope gradient for at least 10 feet measured perpendicular to the face of the foundation. Impervious surfaces within 10 feet of the structure foundation shall be sloped a minimum of 2 percent away from the structure per 2010 CBC.

12.0 CONSTRUCTION CONSIDERATIONS

12.1 General

Site soils should be excavatable using conventional heavy-duty excavating equipment. Temporary sloped excavation is feasible if performed in accordance with the slope ratios provided in Section 12.2, *Temporary Excavations*. Existing utilities should be accurately located and either protected or removed as required.

12.2 Temporary Excavations

Based on the materials encountered in the exploratory borings, sloped temporary excavations may be constructed according to the slope ratios presented in Table No. 7, *Slope Ratios for Temporary Excavation*. Any loose utility trench backfill or other fill encountered in excavations will be less stable than the native soils. Temporary cuts encountering loose fill or loose dry sand should be constructed at a flatter gradient than presented in the following table:

Table No. 7, Slope Ratios for Temporary Excavation

Maximum Depth of Cut (feet)	Maximum Slope Ratio* (horizontal: vertical)
--------------------------------	--



0 – 4	vertical
4 - 8	1:1
8 +	1.5:1

*Slope ratio assumed to be uniform from top to toe of slope.

Surfaces exposed in slope excavations should be kept moist but not saturated to minimize raveling and sloughing during construction. Adequate provisions should be made to protect the slopes from erosion during periods of rainfall. Surcharge loads, including construction, should not be placed within five (5) feet of the unsupported trench edge. The above maximum slopes are based on a maximum height of six (6) feet of stockpiled soils placed at least five (5) feet from the trench edge.

All applicable requirements of the California Construction and General Industry Safety Orders, the Occupational Safety and Health Act of 1987 and current amendments, and the Construction Safety Act should be met. The soils exposed in cuts should be observed during excavation by the project's geotechnical consultant. If potentially unstable soil conditions are encountered, modifications of slope ratios for temporary cuts may be required.

12.3 Special Consideration for Excavation Adjacent to Existing Structures

Temporary excavations for the proposed improvements should not extend below a 1:1 (horizontal: vertical) plane extending beyond and down from the bottom of the existing utility lines or foundations. The remedial grading excavations should not cause loss of bearing and/or lateral support for adjacent off-site utilities or structures.

If remedial grading excavations extend below a 1:1 horizontal:vertical (H:V) plane extending beyond and down from the bottom of adjacent off-site utility lines or structure foundations, shoring or slot cutting shall be employed. "A-B-C" lot cuts exposing native sandy soils may be excavated with maximum 8 foot long sections to prevent the existing utility lines or off-site structures from becoming unstable. Backfill should be accomplished in the shortest period of time possible and in alternating sections.

Based on the proposed development, shoring is not anticipated.

12.4 Geotechnical Services During Construction

This report has been prepared to aid in the foundation plans and specifications, and to assist the architect, civil and structural engineers in the design of the proposed structures. It is recommended that this office be provided an opportunity to review final design drawings and specifications to verify that the recommendations of this report have been properly implemented.



Recommendations presented herein are based upon the assumption that adequate earthwork monitoring will be provided by Converse. Footing excavations should be observed by Converse prior to placement of steel and concrete so that footings are founded on satisfactory materials and excavations are free of loose and disturbed materials. Trench backfill should be placed and compacted with observation and field density testing provided by this office.

During construction, the geotechnical engineer and/or their authorized representatives should be present at the site to provide a source of advice to the client regarding the geotechnical aspects of the project and to observe and test the earthwork performed. Their presence should not be construed as an acceptance of responsibility for the performance of the completed work, since it is the sole responsibility of the contractor performing the work to ensure that it complies with all applicable plans, specifications, ordinances, etc.

This firm does not practice or consult in the field of safety engineering. We do not direct the contractor's operations, and cannot be responsible for other than our own personnel on the site; therefore, the safety of others is the responsibility of the contractor. The contractor should notify the owner if he considers any recommended actions presented herein to be unsafe.

13.0 CLOSURE

The findings and recommendations of this report were prepared in accordance with generally accepted professional engineering and engineering geologic principles and practice. We make no other warranty, either expressed or implied. Our conclusions and recommendations are based on the results of the field and laboratory studies, combined with an interpolation and extrapolation of soil conditions between and beyond boring locations. If conditions encountered during construction appear to be different from those shown by the borings, this office should be notified.

Design recommendations given in this report are based on the assumption that the earthwork and site grading recommendations contained in this report are implemented. Additional consultation may be prudent to interpret Converse's findings for contractors, or to possibly refine these recommendations based upon the review of the final site grading and actual site conditions encountered during construction. If the scope of the project changes, if project completion is to be delayed, or if the report is to be used for another purpose, this office should be consulted.

This report was prepared for Bernards for the subject project described herein. We are not responsible for technical interpretations made by others of our exploratory information. Specific questions or interpretations concerning our findings and conclusions may require a written clarification to avoid future misunderstandings.



14.0 REFERENCES

AMERICAN SOCIETY OF CIVIL ENGINEERS, *ASCE/SEI 7-05, Minimum Design Loads for Structures and Other Structures*, copyright 2006.

ASTM INTERNATIONAL, Annual Book of ASTM Standards, Current.

BLAKE, T. F., 2000, UBCSEIS, FRISKSP, and EQSEARCH Computer Programs for Performing Probabilistic, and Seismic Coefficient Analysis and Historical Earthquake Search, using 2002 CGS Fault Model, Computer Model Files, CGS Source Data, Maps for Performing Probabilistic Seismic Hazard Analysis.

BOWLES, J. E., 1982, *Foundation Analysis and Design*, McGraw-Hill, Inc.

CALIFORNIA BUILDING CODE (CBC), 2010, International Conference of Building Officials.

CALIFORNIA ADMINISTRATIVE CODE, 2010, International Code Council.

CALIFORNIA DIVISION OF MINES AND GEOLOGY, 1998, Seismic Hazard Zone Report for the San Fernando 7.5-Minute Quadrangle, Los Angeles County, California, Seismic Hazard Zone Report 15.

CALIFORNIA DIVISION OF MINES AND GEOLOGY, 2001, Seismic Hazard Zone Map for the San Fernando 7.5-Minute Quadrangle, Los Angeles County, California.

CALIFORNIA DIVISION OF MINES AND GEOLOGY, Fault-Rupture Hazard Zones in California, Alquist-Priolo Earthquake Faulting Zoning Act with Index to Earthquake Fault Zone Maps, Special Publication 42, Revised 1997, Supplements 1 and 2 added 1999, and Supplement 3 in 2003.

CALIFORNIA GEOLOGIC SURVEY, 2005, Engineering Geology and Seismology for Public Schools and Hospitals in California to accompany the California Geological Survey Note 48 Checklist, August 9, 2005, 321 pages.

CALIFORNIA GEOLOGIC SURVEY, *Guidelines for Evaluating and Mitigating Seismic Hazards in California, Special Publication 117A*, 2008.

CALIFORNIA GEOLOGIC SURVEY – Note 48, Checklist for the Review of Engineering Geology and Seismology Reports for California Public Schools, Hospitals, and Essential Services Structures.



CALIFORNIA DEPARTMENT OF TRANSPORTATION, 2003, Corrosion Guidelines, Version 1.0, dated September, 2003.

CAO, TIANQING, et. al., 2003, The Revised 2002 California Probabilistic Seismic Hazard Maps, June 2003, pp. 1-11, Appendix A.

DAY, Robert W., 2006, *Foundation Engineering Handbook*.

DIBBLEE, Thomas W., Jr., 1999, Geologic Map of the San Fernando and Van Nuys (N1/2) Quadrangles, Los Angeles County, California, Dibblee Geological Foundation Map #DF-33.

DEPARTMENT OF THE NAVY, Naval Facilities Engineering Command, Alexandria, VA, *Soil Mechanics, Design Manual 7.01 (NAVFAC DM-7.01)*, 1982.

DEPARTMENT OF THE NAVY, Naval Facilities Engineering Command, Alexandria, VA, *Foundations And Earth Buildings, Design Manual 7.02 (NAVFAC DM-7.02)*, 1986.

DOLAN, J.F., et. al., 2003, *Recognition of Paleo Earthquakes on the Puente Hills Blind Thrust Fault, California*, April 4, 2003, Science, Vol. 300, pp. 115-118.

GATH, E.M., 1997, *Tectonic Geomorphology of the Eastern Los Angeles Basin*; USGS Final Technical Report, NEHRP Contract No. 1434-95-G-2526, 13p., 1 Plate, 6 Figures, 6 Tables.

EZ-FRISK, Version 7.37, 2009, "*Software for Earthquake Ground Motion Estimation*", Risk Engineering, Inc.

NATIONAL CENTER FOR EARTHQUAKE ENGINEERING RESEARCH (NCEER), *Proceedings of the NCEER Workshop on Evaluation of Liquefaction Resistance of Soils*, Edited by T. L. Youd and I. M. Idriss, Technical Report NCEER-97-0022, 1997.

PORTLAND CEMENT ACCOCIATION, Southwest Region Publication P-14, Portland Cement Concrete Pavement Design Nomograph for City and County Roads.

SHAW, J.H., et. al., 2002, *Puente Hills Blind-Thrust system, Los Angeles, California*: Bulletin of the Seismological Society of America, December 2002, v. 92, no. 8, p. 2946-2960.



SOUTHERN CALIFORNIA EARTHQUAKE CENTER, *Recommended Procedures for Implementation of DMG Special Publication 117 Guidelines for Analyzing and Mitigating Liquefaction in California*, March 1999.

STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 2010, Public Works Standards, Inc.

STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION, California Tests 643, 422, 417 and 532.

STATE OF CALIFORNIA OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT, Code Application Notice 2-1802A.6.2, dated August 30, 2008.

TOKIMATSU, K. AND SEED, H. B., 1987; *Evaluation of Settlement in Sands Due to Earthquake Shaking*, ASCE Journal of Geotechnical Engineering, Vol. 118.

TOPPOZADA, T., et. al., 2000, Epicenters of and Areas Damaged by $M \geq 5$ California Earthquakes, 1800-1999, Map Sheet 49, California Geologic Survey.

UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGIC SURVEY (USGS), San Fernando Quadrangle, California-Los Angeles Co., 7.5 Minute Series (Topographic) map, dated 1981.

UNITED STATES GEOLOGICAL SURVEY, 2010, *Seismic Hazards Curves, Response Parameters and Design Parameters*, Version 5.1, Computer Program by the United States Geological Survey dated February 10, 2011.

YEATS, R.S., 2004, *Tectonics of the San Gabriel Basin and Surrounding, Southern California*: GSA Bulletin, September/October 2004, v. 166, no. 9/10, p. 158-1152.



APPENDIX A
FIELD EXPLORATION

APPENDIX A

FIELD EXPLORATION

Field exploration included a site reconnaissance and subsurface exploration program. During the site reconnaissance, the surface conditions were noted, and the approximate locations of the boring were determined. The exploratory borings were approximately located using existing boundary and other features as a guide and should be considered accurate only to the degree implied by the method used. The various field study methods performed are discussed below.

Exploratory Borings

Five (5) borings (BH-1 through BH-5) were drilled within the project site on February 10, 2011. The borings were advanced using a truck mounted drill rig with an eight inch diameter hollow-stem auger. The depths drilled ranges from 15.5 feet to 50.5 feet below ground surface (bgs). Encountered earth materials were continuously logged by a Converse professional and classified in the field by visual examination in accordance with the Unified Soil Classification System (USCS). Where appropriate, field descriptions and classifications have been modified to reflect laboratory test results.

Ring samples of the subsurface materials were obtained at frequent intervals in the exploratory borings using a drive sampler (2.4-inches inside diameter and 3.0-inches outside diameter) lined with sample rings. The steel ring sampler was driven into the bottom of the borehole with successive drops of a 140-pound driving weight falling 30 inches, using an automatic hammer. Samples are retained in brass rings (2.4-inches inside diameter and 1.0-inch in height). The central portion of the sample was retained and carefully sealed in waterproof plastic containers for shipment to the Converse laboratory. Blow counts for each sample interval are presented on the logs of borings. Bulk samples of typical soil types were also obtained.

Standard Penetration Test (SPT) was also performed using a standard (1.4-inches inside diameter and 2.0-inches outside diameter) split-barrel sampler. The mechanically driven hammer for the SPT sampler was 140 pounds, falling 30 inches for each blow. The recorded blow counts for every six inches for a total of 1.5 feet of sampler penetration are shown on the Logs of Borings in the "BLOWS" column. The standard penetration test was performed in accordance with the ASTM Standard D1586 test method.

It should be noted that the exact depths at which material changes occur cannot always be established accurately. Changes in material conditions that occur between driven samples are indicated in the logs at the top of the next drive sample. A key to soil symbols and terms is presented as Drawing No. A-1, *Soil Classification Chart*. The log of the exploratory boring is presented in Drawing Nos. A-2a through A-6, *Log of Borings*.



SOIL CLASSIFICATION CHART

MAJOR DIVISIONS			SYMBOLS		TYPICAL DESCRIPTIONS
			GRAPH	LETTER	
COARSE GRAINED SOILS MORE THAN 50% OF MATERIAL IS LARGER THAN NO. 200 SIEVE SIZE	GRAVEL AND GRAVELLY SOILS MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE	CLEAN GRAVELS (LITTLE OR NO FINES)		GW	WELL-GRADED GRAVELS, GRAVEL - SAND MIXTURES, LITTLE OR NO FINES
				GP	POORLY-GRADED GRAVELS, GRAVEL - SAND MIXTURES, LITTLE OR NO FINES
		GRAVELS WITH FINES (APPRECIABLE AMOUNT OF FINES)		GM	SILTY GRAVELS, GRAVEL - SAND - SILT MIXTURES
				GC	CLAYEY GRAVELS, GRAVEL - SAND - CLAY MIXTURES
	SAND AND SANDY SOILS MORE THAN 50% OF COARSE FRACTION PASSING ON NO. 4 SIEVE	CLEAN SANDS (LITTLE OR NO FINES)		SW	WELL-GRADED SANDS, GRAVELLY SANDS, LITTLE OR NO FINES
				SP	POORLY-GRADED SANDS, GRAVELLY SAND, LITTLE OR NO FINES
		SANDS WITH FINES (APPRECIABLE AMOUNT OF FINES)		SM	SILTY SANDS, SAND - SILT MIXTURES
				SC	CLAYEY SANDS, SAND - CLAY MIXTURES
FINE GRAINED SOILS MORE THAN 50% OF MATERIAL IS SMALLER THAN NO. 200 SIEVE SIZE	SILTS AND CLAYS LIQUID LIMIT LESS THAN 50			ML	INORGANIC SILTS AND VERY FINE SANDS, ROCK FLOUR, SILTY OR CLAYEY FINE SANDS OR CLAYEY SILTS WITH SLIGHT PLASTICITY
				CL	INORGANIC CLAYS OF LOW TO MEDIUM PLASTICITY, GRAVELLY CLAYS, SANDY CLAYS, SILTY CLAYS, LEAN CLAYS
				OL	ORGANIC SILTS AND ORGANIC SILTY CLAYS OF LOW PLASTICITY
	SILTS AND CLAYS LIQUID LIMIT GREATER THAN 50			MH	INORGANIC SILTS, MUCACEOUS OR DIATOMACEOUS FINE SAND OR SILTY SOILS
				CH	INORGANIC CLAYS OF HIGH PLASTICITY
				OH	ORGANIC CLAYS OF MEDIUM TO HIGH PLASTICITY, ORGANIC SILTS
HIGHLY ORGANIC SOILS			PT	PEAT, HUMUS, SWAMP SOILS WITH HIGH ORGANIC CONTENTS	

NOTE: DUAL SYMBOLS ARE USED TO INDICATE BORDERLINE SOIL CLASSIFICATIONS

BORING LOG SYMBOLS

SAMPLE TYPE

	STANDARD PENETRATION TEST Split barrel sampler in accordance with ASTM D-1586-84 Standard Test Method
	DRIVE SAMPLE 2.42" I.D. sampler.
	DRIVE SAMPLE No recovery
	BULK SAMPLE
	GROUNDWATER WHILE DRILLING
	GROUNDWATER AFTER DRILLING

LABORATORY TESTING ABBREVIATIONS

TEST TYPE (Results shown in Appendix B)

CLASSIFICATION

Plasticity	pl
Grain Size Analysis	ma
Passing No. 200 Sieve	wa
Sand Equivalent	se
Expansion Index	ei
Compaction Curve	max
Hydrometer	h

STRENGTH

Pocket Penetrometer	p
Direct Shear	ds
Direct Shear (single point)	ds*
Unconfined Compression	uc
Triaxial Compression	tx
Vane Shear	vs
Consolidation	c
Collapse Test	col
Resistance (R) Value	r
Chemical Analysis	ca
Electrical Resistivity	er

UNIFIED SOIL CLASSIFICATION AND KEY TO BORING LOG SYMBOLS



Converse Consultants

Project Name
SAN FERNANDO HIGH SCHOOL
TEEN HEALTH CENTER
SAN FERNANDO, CALIFORNIA

Project No. Drawing No.
11-31-101-01 A-1

Log of Boring No. BH-1

Dates Drilled: 2/10/2011 Logged by: SCL Checked By: GDS
 Equipment: 8" HOLLOW STEM AUGER Driving Weight and Drop: 140 lbs / 30 in
 Ground Surface Elevation (ft): N/A Depth to Water (ft): NOT ENCOUNTERED

Depth (ft)	Graphic Log	SUMMARY OF SUBSURFACE CONDITIONS This log is part of the report prepared by Converse for this project and should be read together with the report. This summary applies only at the location of the boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presented is a simplification of actual conditions encountered.	SAMPLES		BLOWS	MOISTURE (%)	DRY UNIT WT. (pcf)	OTHER
			DRIVE	BULK				
		FILL (Af): SILTY SAND (SM): fine-grained, brown.						
		ALLUVIUM (Qa): SANDY SILT (ML): some fine-grained sand, brown.						
5		SILTY SAND (SM): medium to coarse-grained, gravels up to 2" in maximum dimension, brown.			16/23/50(3")	3	133	ma
10					28/50(5")	4	135	
15					50(5")	3		dist.
20					50(6")	2		dist.
		End of boring at 20.5 feet. Groundwater not encountered during drilling. Borehole backfilled with soil cuttings on 2-10-11.						



Converse Consultants

Project Name
 SAN FERNANDO HIGH SCHOOL
 TEEN HEALTH CENTER
 SAN FERNANDO, CALIFORNIA

Project No. 11-31-101-01 Drawing No. A-2

Log of Boring No. BH-2

Dates Drilled: 2/10/2011 Logged by: SCL Checked By: GDS

Equipment: 8" HOLLOW STEM AUGER Driving Weight and Drop: 140 lbs / 30 in

Ground Surface Elevation (ft): N/A Depth to Water (ft): NOT ENCOUNTERED

Depth (ft)	Graphic Log	SUMMARY OF SUBSURFACE CONDITIONS This log is part of the report prepared by Converse for this project and should be read together with the report. This summary applies only at the location of the boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presented is a simplification of actual conditions encountered.	SAMPLES		BLOWS	MOISTURE (%)	DRY UNIT WT. (pcf)	OTHER
			DRIVE	BULK				
		FILL (Af): SILTY SAND (SM): fine-grained, with roots.						
5		ALLUVIUM (Qa): SILTY SAND (SM): coarse-grained, some gravels up to 1" in maximum dimension, yellow brown.			15/31/45	6	127	c
10		-medium-grained			21/24/34	4	131	
15		-fine-grained			50(5")	3	110	
20					50(5")			
25		-fine-grained, few gravels up to 2" in maximum dimension			19/31/35			ma
30					50(4")			



Converse Consultants

Project Name
SAN FERNANDO HIGH SCHOOL
TEEN HEALTH CENTER
SAN FERNANDO, CALIFORNIA

Project No. Drawing No.
11-31-101-01 A-3a

Log of Boring No. BH-2

Dates Drilled: 2/10/2011 Logged by: SCL Checked By: GDS
 Equipment: 8" HOLLOW STEM AUGER Driving Weight and Drop: 140 lbs / 30 in
 Ground Surface Elevation (ft): N/A Depth to Water (ft): NOT ENCOUNTERED

Depth (ft)	Graphic Log	SUMMARY OF SUBSURFACE CONDITIONS This log is part of the report prepared by Converse for this project and should be read together with the report. This summary applies only at the location of the boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presented is a simplification of actual conditions encountered.	SAMPLES		BLOWS	MOISTURE (%)	DRY UNIT WT. (pcf)	OTHER
			DRIVE	BULK				
		SILTY SAND (SM): fine-grained, few gravels up to 2" in maximum dimension, brown.	X		22/50(5")			
40			X		50(4")			
45			X		13/14/38			
50					50(4")			
		End of boring at 50.5 feet. Groundwater not encountered during drilling. Borehole backfilled with soil cuttings on 2-10-11.						



Converse Consultants

Project Name
 SAN FERNANDO HIGH SCHOOL
 TEEN HEALTH CENTER
 SAN FERNANDO, CALIFORNIA

Project No. Drawing No.
 11-31-101-01 A-3b

Log of Boring No. BH-3

Dates Drilled: 2/10/2011 Logged by: SCL Checked By: GDS
 Equipment: 8" HOLLOW STEM AUGER Driving Weight and Drop: 140 lbs / 30 in
 Ground Surface Elevation (ft): N/A Depth to Water (ft): NOT ENCOUNTERED

Depth (ft)	Graphic Log	SUMMARY OF SUBSURFACE CONDITIONS This log is part of the report prepared by Converse for this project and should be read together with the report. This summary applies only at the location of the boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presented is a simplification of actual conditions encountered.	SAMPLES		BLOWS	MOISTURE (%)	DRY UNIT WT. (pcf)	OTHER
			DRIVE	BULK				
5		FILL (Af): SILTY SAND (SM): fine-grained, yellow brown.						
		ALLUVIUM (Qal): SILTY SAND (SM): fine to medium-grained, few gravels up to 3" in maximum dimension, yellow brown.						
5					29/26/27	5	126	ds
10		GRAVELLY SAND (SP): medium to coarse-grained, few silt, some gravels up to 2" in maximum dimension, yellow brown.			27/34/50(4")	2	131	
15		SILTY SAND (SM): fine to medium-grained, few gravels up to 2" in maximum dimension, brown.			40/50(4")	2		dist.
20		End of boring at 20.5 feet. Groundwater not encountered during drilling. Borehole backfilled with soil cuttings on 2-10-11.			50(4")			



Converse Consultants

Project Name
 SAN FERNANDO HIGH SCHOOL
 TEEN HEALTH CENTER
 SAN FERNANDO, CALIFORNIA

Project No. Drawing No.
 11-31-101-01 A-4

Log of Boring No. BH-4

Dates Drilled: 2/10/2011 Logged by: SCL Checked By: GDS
 Equipment: 8" HOLLOW STEM AUGER Driving Weight and Drop: 140 lbs / 30 in
 Ground Surface Elevation (ft): N/A Depth to Water (ft): NOT ENCOUNTERED

Depth (ft)	Graphic Log	SUMMARY OF SUBSURFACE CONDITIONS This log is part of the report prepared by Converse for this project and should be read together with the report. This summary applies only at the location of the boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presented is a simplification of actual conditions encountered.	SAMPLES		BLOWS	MOISTURE (%)	DRY UNIT WT. (pcf)	OTHER
			DRIVE	BULK				
		3.5" ASPHALT WITH NO BASE						
		<u>ALLUVIUM (Qa):</u> <u>SILTY SAND (SM):</u> fine-grained, red brown.						max,ei ca,er,r
5		<u>GRAVELLY SAND (SP):</u> medium to coarse-grained, some gravels up to 2" in maximum dimension, few silt, yellow brown.			22/27/29	3	134	
10					22/23/41	3	136	c
15					50(3")			
		End of boring at 15.5 feet due to refusal of cobbles. Groundwater not encountered during drilling. Borehole backfilled with soil cuttings and patched with asphalt on 2-10-11.						



Converse Consultants

Project Name
 SAN FERNANDO HIGH SCHOOL
 TEEN HEALTH CENTER
 SAN FERNANDO, CALIFORNIA

Project No. Drawing No.
 11-31-101-01 A-5

Log of Boring No. BH-5

Dates Drilled: 2/10/2011 Logged by: SCL Checked By: GDS
 Equipment: 8" HOLLOW STEM AUGER Driving Weight and Drop: 140 lbs / 30 in
 Ground Surface Elevation (ft): N/A Depth to Water (ft): NOT ENCOUNTERED

Depth (ft)	Graphic Log	SUMMARY OF SUBSURFACE CONDITIONS This log is part of the report prepared by Converse for this project and should be read together with the report. This summary applies only at the location of the boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presented is a simplification of actual conditions encountered.	SAMPLES		BLOWS	MOISTURE (%)	DRY UNIT WT. (pcf)	OTHER
			DRIVE	BULK				
5		ALLUVIUM (Qa): SANDY SILT (ML): fine-grained sand, red brown.						
5		SILTY SAND (SM): fine to medium-grained, few gravels up to 2" in maximum dimension, yellow brown.			8/30/50(5")	6	116	ds
10					50(5")			dist.
15		-medium to coarse-grained, few silt, some gravels up to 2" in maximum dimension, yellow brown -gravelly layer			34/50(5")			
20					50(3")			
25					38/50(6")			
		End of boring at 28 feet due to refusal of cobbles. Groundwater not encountered during drilling. Borehole backfilled with soil cuttings and patched with asphalt on 2-10-11.						



Converse Consultants

Project Name
 SAN FERNANDO HIGH SCHOOL
 TEEN HEALTH CENTER
 SAN FERNANDO, CALIFORNIA

Project No. Drawing No.
 11-31-101-01 A-6

APPENDIX B

LABORATORY TESTING PROGRAM

APPENDIX B

LABORATORY TESTING PROGRAM

Tests were conducted in our laboratory on representative soil samples for the purpose of classification and evaluation of their relevant physical characteristics and engineering properties. The amount and selection of tests were based on the geotechnical requirements of the project. Test results are presented herein and on the Logs of Borings in Appendix A, *Field Exploration*. The following is a summary of the laboratory tests conducted for this project.

Moisture Content and Dry Density

Results of moisture content and dry density tests, performed on relatively undisturbed ring samples were used to aid in the classification of the soils and to provide quantitative measure of the *in situ* dry density. Data obtained from this test provides qualitative information on strength and compressibility characteristics of site soils. For test results, see the Logs of Borings in Appendix A, *Field Exploration*.

Grain-Size Analysis

To assist in classification of soils, mechanical grain-size analyses were performed on two (2) selected samples. Testing was performed in general accordance with the ASTM Standard C136 test method. Grain-size curves are shown in Drawing No. B-1, *Grain Size Distribution Results*.

Maximum Dry Density Test

One (1) laboratory maximum dry density-moisture content relationship tests were performed on representative bulk samples of the upper 6 feet of soil material. The testing was conducted in accordance with ASTM Standard D1557 laboratory procedure. The test result is presented on Drawing No. B-2, *Moisture-Density Relationship Results*.

Direct Shear

Direct shear test was performed on two (2) relatively undisturbed in-situ sample. For each test, three brass sampler rings were placed, one at a time, directly into the test apparatus and subjected to a range of normal loads appropriate for the anticipated conditions. The sample was then sheared at a constant strain rate of 0.05 inch/minute. Shear deformation was recorded until a maximum of about 0.25-inch shear displacement was achieved. Ultimate strength was selected from the shear-stress deformation data and plotted to determine the shear strength parameters. For test data, including sample density and moisture content, see Drawing Nos. B-3a and B-3b, *Direct Shear Test Results*, and in the following table:



Table No. B-1, Direct Shear Test Results

Boring No.	Depth (feet)	Soil Classification	Ultimate Strength Parameters	
			Friction Angle (degrees)	Cohesion (psf)
BH-3	5	Silty Sand (SM)	31	150
BH-5	5	Silty Sand (SM)	32	0

Consolidation

Consolidation test was performed on two (2) relatively undisturbed in-situ sample. Data obtained from this test procedure was used to evaluate the settlement characteristics of the foundation soils under load. Preparation for this test involved trimming the sample and placing the one-inch high brass ring into the test apparatus, which contained porous stones, both top and bottom, to accommodate drainage during testing. Normal axial loads were applied to one end of the sample through the porous stones, and the resulting deflections were recorded at various time periods. The load was increased after the sample reached a reasonable state equilibrium. Normal loads were applied at a constant load-increment ratio, successive loads being generally twice the preceding load. The sample was tested at field and submerged conditions. The test results, including sample density and moisture content, are presented in Drawing Nos. B-4a and B-4b, *Consolidation Test Results*.

Expansion Index

One (1) representative bulk sample was tested to evaluate the expansion potential of materials encountered at the site. Test results are presented in the following table:

Table No. B-2, Expansion Index Test Results

Boring No.	Depth (feet)	Soil Description	Expansion Index	Expansion Potential
BH-4	1-5	Sandy Silt	0	Very Low

Soil Corrosivity

One (1) representative soil sample was tested to evaluate minimum electrical resistivity, pH, and chemical content, including soluble sulfate and chloride concentrations. The purpose of these tests is to determine the corrosion potential of site soils when placed



in contact with common construction materials. These tests were performed by Environmental Geotechnical Laboratory, Inc. (EGL), located in Arcadia, California. The test results received from EGL are included in the following table:

Table No. B-3, Corrosivity Test Results

Boring No.	Sample Depth (feet)	pH (Caltrans 643)	Soluble Chlorides (Caltrans 422) ppm	Soluble Sulfate (Caltrans 417) ppm	Saturated Resistivity (Caltrans 643) Ohm-cm
BH-4	1-5	7.75	85	160	2,300

R-value

A representative bulk soil sample was tested for resistance value (R-value) in accordance with State of California Standard Method 301-G. This test is designed to provide a relative measure of soil strength for use in pavement design. The test result is shown in the following table:

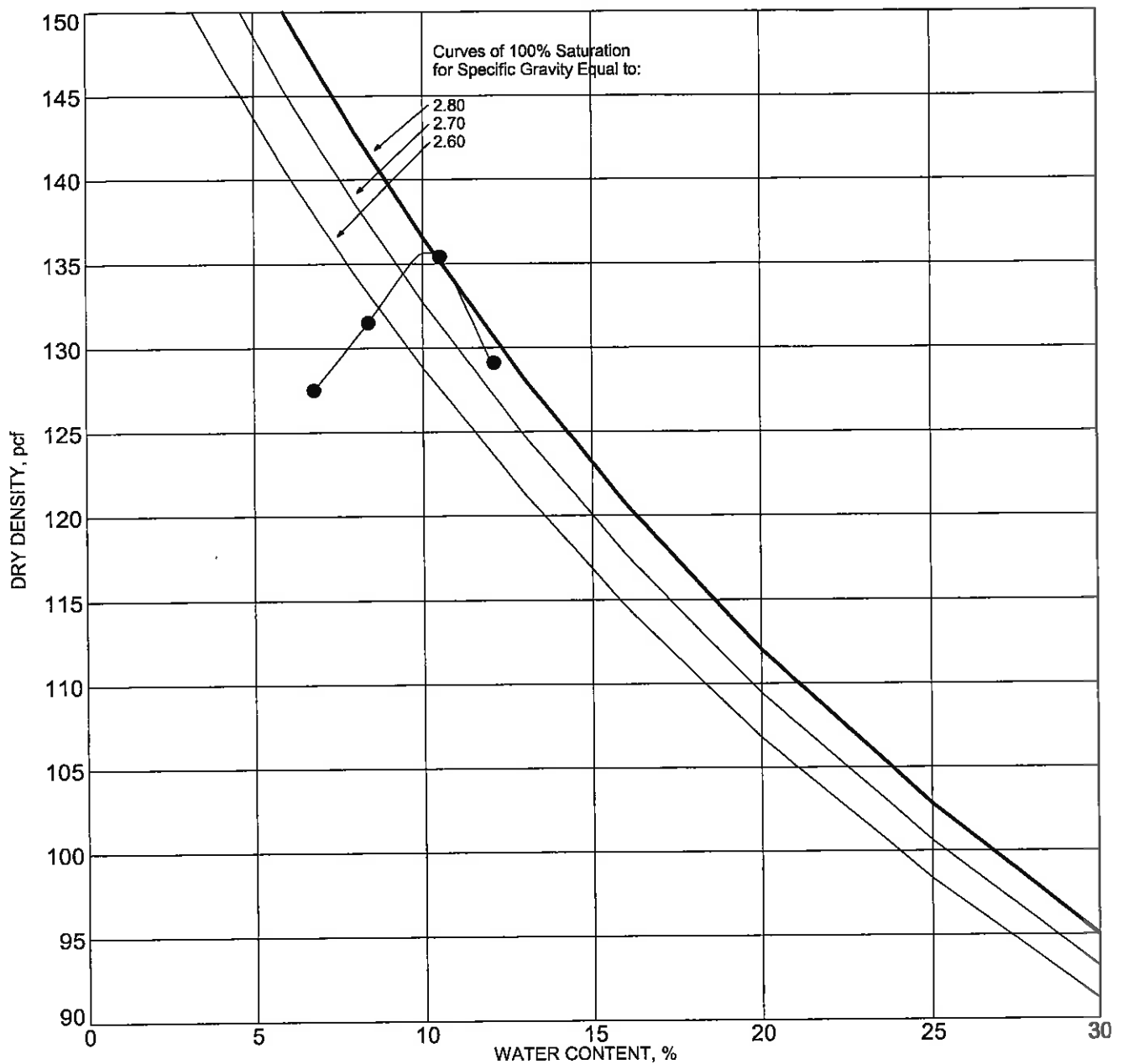
Table No. B-4, R-value Test Result

Boring No.	Depth, ft	Soil Classification	Measured R-value
BH-4	1-5	Silty Sand (SM)	35

Sample Storage

Soil samples presently stored in our laboratory will be discarded 30 days after the date of this report, unless this office receives a specific request to retain the samples for a longer period.





SYMBOL	BORING NO.	DEPTH (ft)	DESCRIPTION	ASTM TEST METHOD	OPTIMUM WATER, %	MAXIMUM DRY DENSITY, pcf
●	BH-4	1-5	SILTY SAND (SM)	D1557 Method B	10.1	136

MOISTURE-DENSITY RELATIONSHIP RESULTS

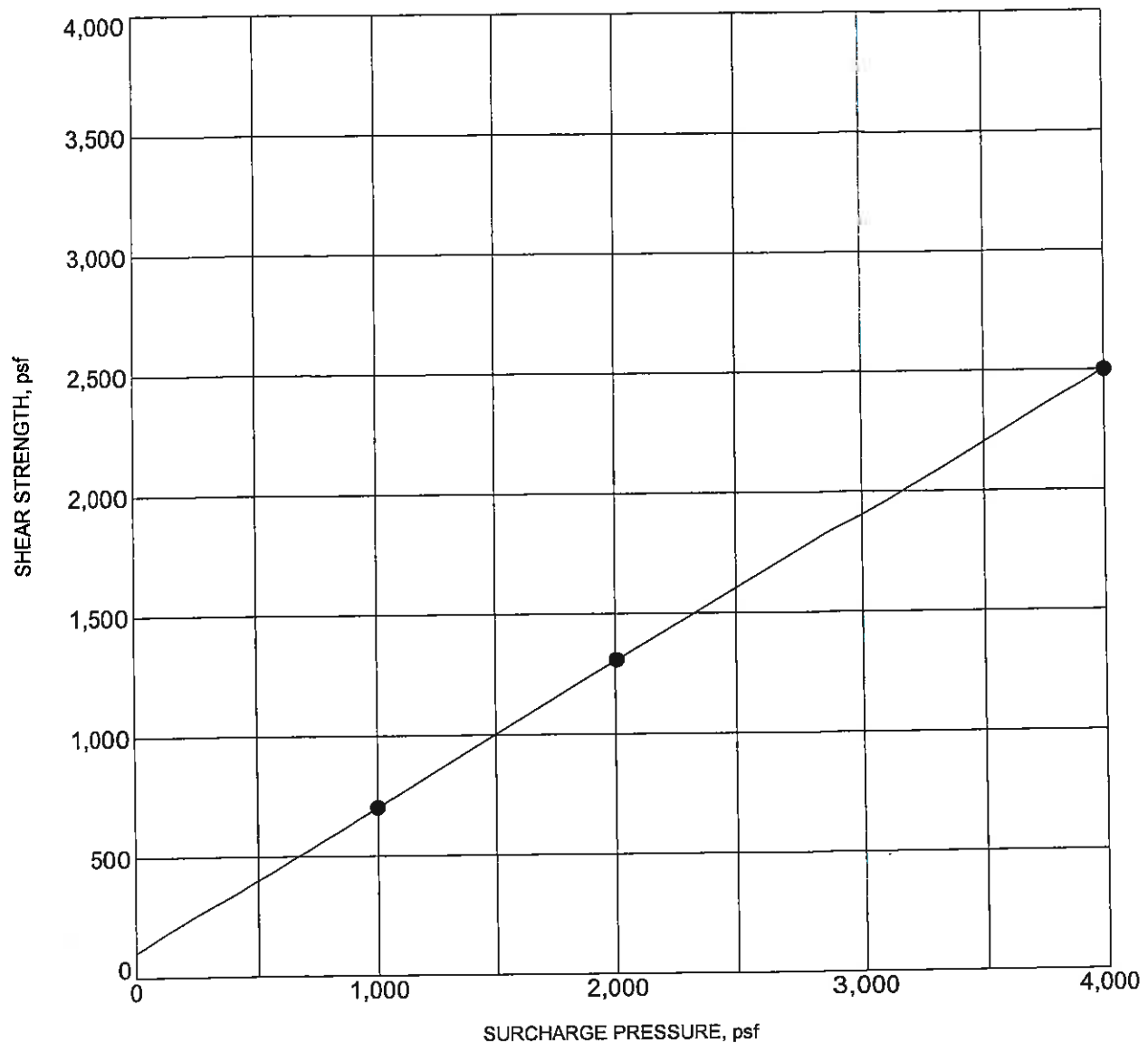


Converse Consultants

Project Name
SAN FERNANDO HIGH SCHOOL
TEEN HEALTH CENTER
SAN FERNANDO, CALIFORNIA

Project No.
11-31-101-01

Drawing No.
B-2



BORING NO.	:	BH-3	DEPTH (ft)	:	5
DESCRIPTION	:	SILTY SAND (SM)			
COHESION (psf)	:	150	FRICTION ANGLE (degrees):	:	31
MOISTURE CONTENT (%)	:	5.4	DRY DENSITY (pcf)	:	125.1

NOTE: Ultimate Strength.

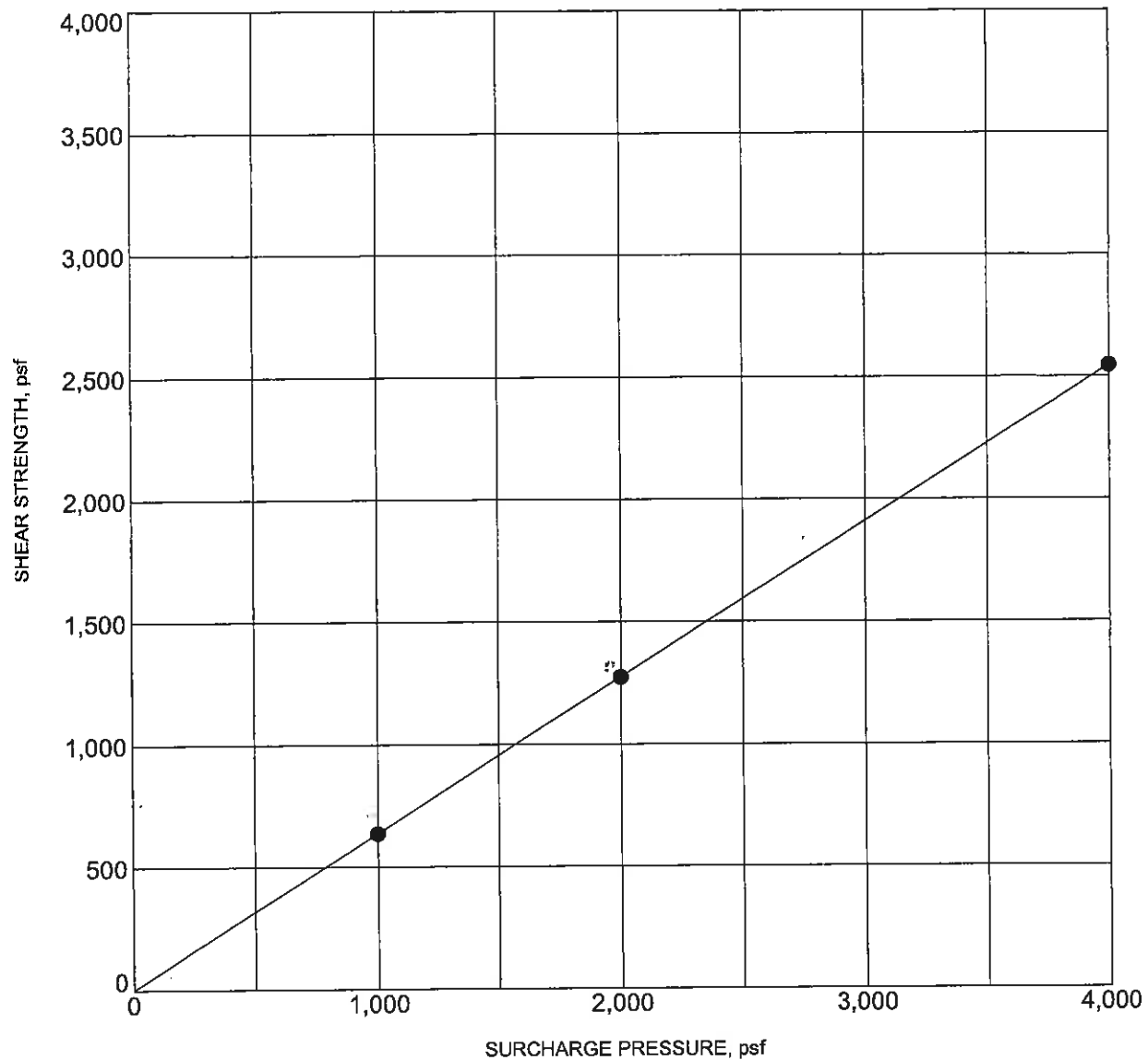
DIRECT SHEAR TEST RESULTS



Converse Consultants

Project Name
SAN FERNANDO HIGH SCHOOL
TEEN HEALTH CENTER
SAN FERNANDO, CALIFORNIA

Project No. 11-31-101-01
Drawing No. B-3a



BORING NO. :	BH-5	DEPTH (ft)	5
DESCRIPTION :	SILTY SAND (SM)		
COHESION (psf) :	0	FRICTION ANGLE (degrees):	32
MOISTURE CONTENT (%) :	5.6	DRY DENSITY (pcf) :	115.6

NOTE: Ultimate Strength

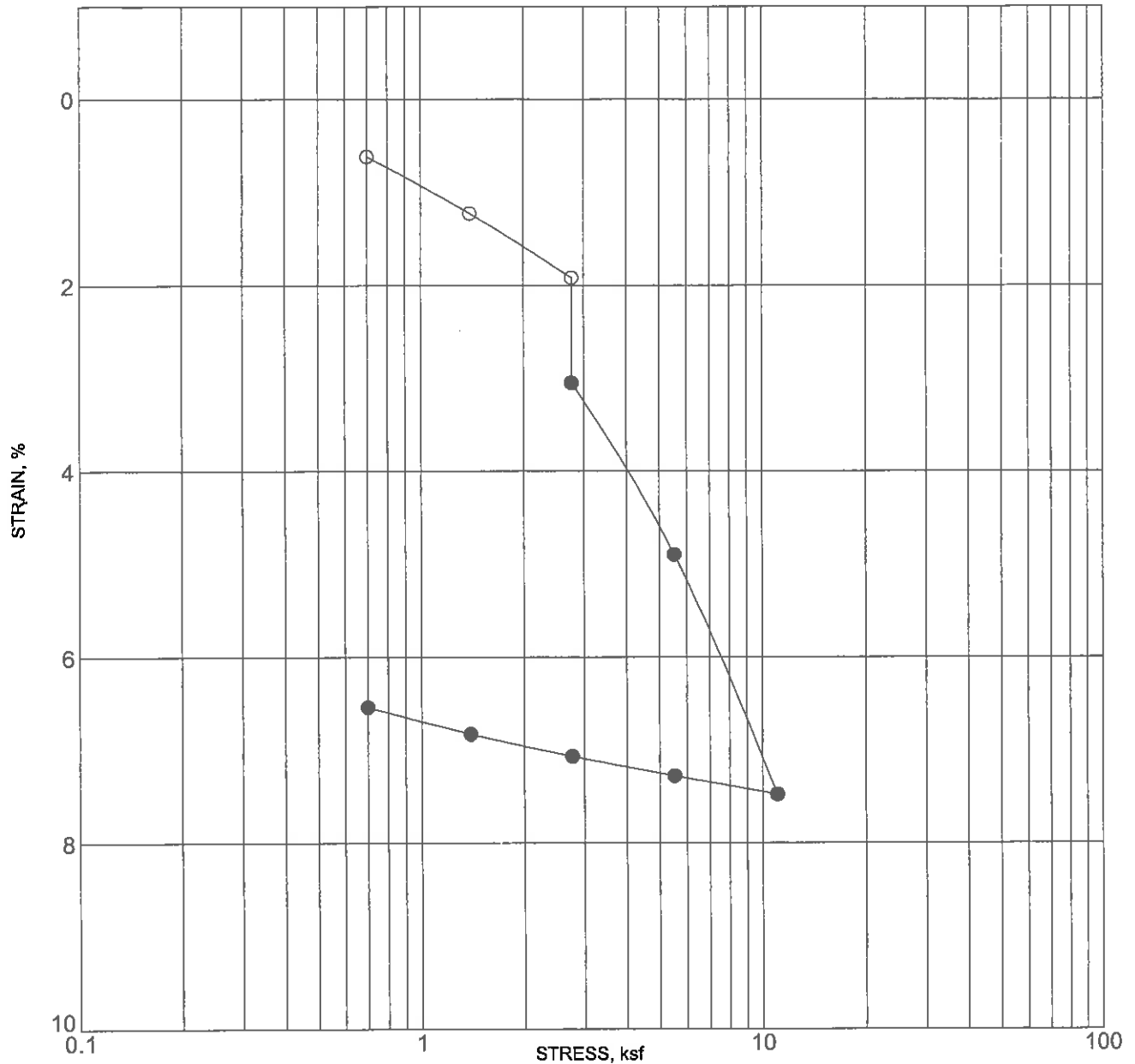
DIRECT SHEAR TEST RESULTS



Converse Consultants

Project Name
SAN FERNANDO HIGH SCHOOL
TEEN HEALTH CENTER
SAN FERNANDO, CALIFORNIA

Project No. Drawing No.
11-31-101-01 B-3b



BORING NO. :	
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NOTE: SOLID CIRCLES INDICATE READINGS AFTER ADDITION OF WATER

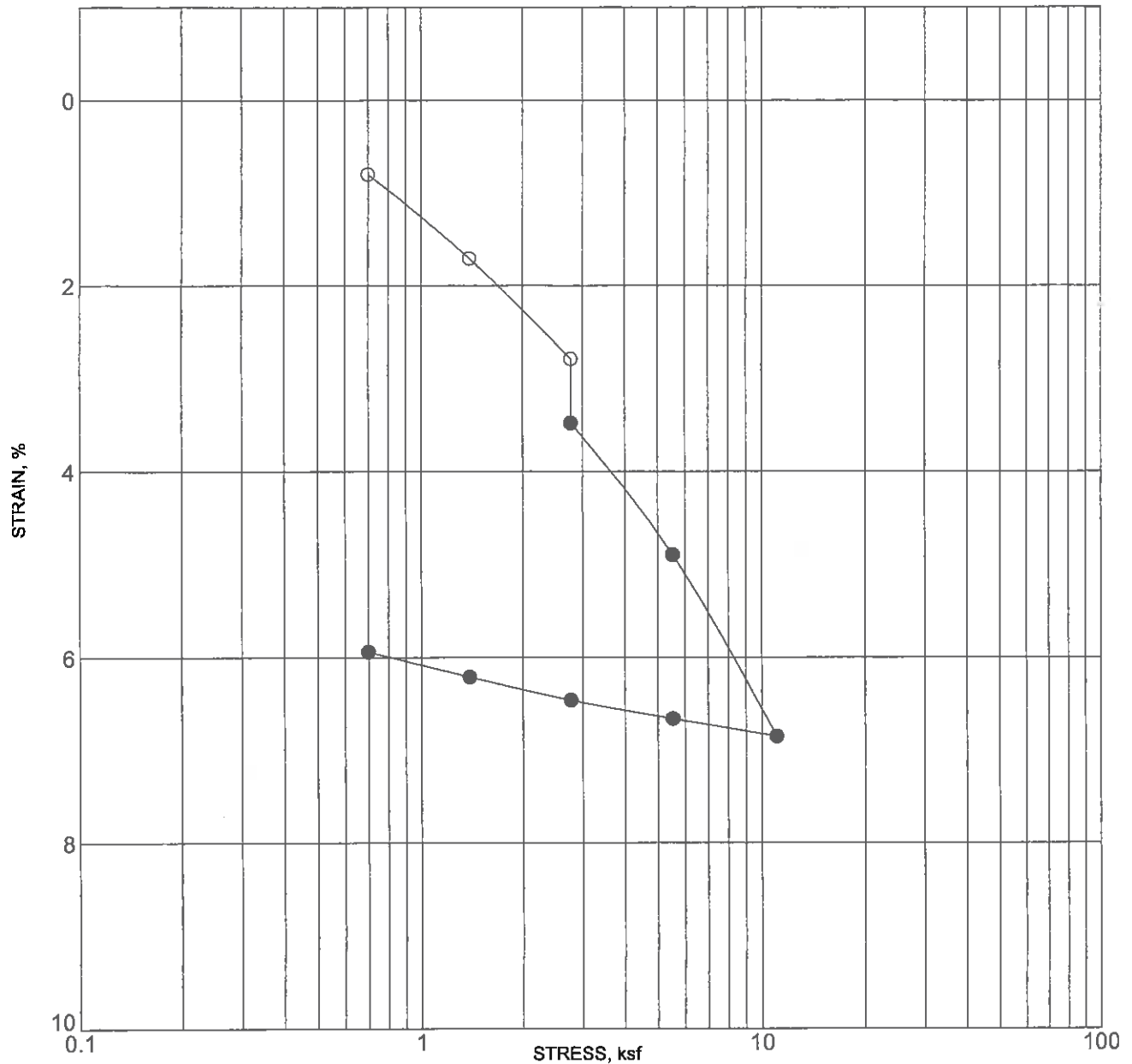
CONSOLIDATION TEST RESULTS



Converse Consultants

Project Name
**SAN FERNANDO HIGH SCHOOL
 TEEN HEALTH CENTER
 SAN FERNANDO, CALIFORNIA**

Project No. Drawing No.
11-31-101-01 B-4a



BORING NO. : BH-4		DEPTH (ft) : 10	
DESCRIPTION : GRAVELLY SAND (SP)			
MOISTURE CONTENT (%)	DRY DENSITY (pcf)	PERCENT SATURATION	VOID RATIO
INITIAL 3.4	136		
FINAL 8	136		

NOTE: SOLID CIRCLES INDICATE READINGS AFTER ADDITION OF WATER

CONSOLIDATION TEST RESULTS



Converse Consultants

Project Name
**SAN FERNANDO HIGH SCHOOL
 TEEN HEALTH CENTER
 SAN FERNANDO, CALIFORNIA**

Project No. Drawing No.
11-31-101-01 B-4b

APPENDIX C
EARTHWORK SPECIFICATIONS

APPENDIX C

EARTHWORK SPECIFICATIONS

C1.1 Scope of Work

The work includes all labor, supplies and construction equipment required to construct the building pads in a good, workmanlike manner, as shown on the drawings and herein specified. The major items of work covered in this section include the following:

- ◆ Site Inspection
- ◆ Authority of Geotechnical Engineer
- ◆ Site Clearing
- ◆ Excavations
- ◆ Preparation of Fill Areas
- ◆ Placement and Compaction of Fill
- ◆ Observation and Testing

C1.2 Site Inspection

1. The Contractor shall carefully examine the site and make all inspections necessary, in order to determine the full extent of the work required to make the completed work conform to the drawings and specifications. The Contractor shall satisfy himself as to the nature and location of the work, ground surface and the characteristics of equipment and facilities needed prior to and during prosecution of the work. The Contractor shall satisfy himself as to the character, quality, and quantity of surface and subsurface materials or obstacles to be encountered. Any inaccuracies or discrepancies between the actual field conditions and the drawings, or between the drawings and specifications must be brought to the Owner's attention in order to clarify the exact nature of the work to be performed.
2. This *Geotechnical Study Report* by Converse Consultants may be used as a reference to the surface and subsurface conditions on this project. The information presented in this report is intended for use in design and is subject to confirmation of the conditions encountered during construction. The exploration logs and related information depict subsurface conditions only at the particular time and location designated on the boring logs. Subsurface conditions at other locations may differ from conditions encountered at the exploration locations. In



addition, the passage of time may result in a change in subsurface conditions at the exploration locations. Any review of this information shall not relieve the Contractor from performing such independent investigation and evaluation to satisfy himself as to the nature of the surface and subsurface conditions to be encountered and the procedures to be used in performing his work.

C1.3 Authority of the Geotechnical Engineer

1. The Geotechnical Engineer will observe the placement of compacted fill and will take sufficient tests to evaluate the uniformity and degree of compaction of filled ground.
2. As the Owner's representative, the Geotechnical Engineer will (a) have the authority to cause the removal and replacement of loose, soft, disturbed and other unsatisfactory soils and uncontrolled fill; (b) have the authority to approve the preparation of native ground to receive fill material; and (c) have the authority to approve or reject soils proposed for use in building areas.
3. The Civil Engineer and/or Owner will decide all questions regarding (a) the interpretation of the drawings and specifications, (b) the acceptable fulfillment of the contract on the part of the Contractor and (c) the matters of compensation.

C1.4 Site Clearing

1. Clearing and grubbing shall consist of the removal from building areas to be graded of all existing structures, pavement, utilities, and vegetation.
2. Organic and inorganic materials resulting from the clearing and grubbing operations shall be hauled away from the areas to be graded.

C1.5 Excavations

1. Based on observations made during our field explorations, the surficial soils can be excavated with conventional earthwork equipment.

C1.6 Preparation of Fill Areas

1. All organic material, organic soils, incompetent alluvium, undocumented fill soils and debris should be removed from the proposed building areas.
2. The upper two (2) feet of existing soils or the depth to the undocumented fill, whichever is deeper, should be removed and replaced as compacted fill for foundation support. The excavation should be extended to five (5) feet beyond the building limits and appendages shall be removed. All loose, soft or disturbed earth materials extending below the recommended removal depth should also be removed from the bottom of excavations before placing structural fill. The actual



depth of removal should be determined based on observations made during grading. Thickness of compacted fill underneath the buildings should not vary. Parking pavement and hardscape areas beyond the footprint of new building structures should be over-excavated to a depth of at least one (1) foot, as measured from existing grades. After the required removals have been made, the exposed native earth materials shall be excavated to provide a zone of structural fill for the support of footings, slabs-on-grade, and exterior flatwork. The fill thickness under structures should not vary.

3. The subgrade in all areas to receive fill shall be scarified to a minimum depth of six (6) inches, the soil moisture adjusted between optimum and three percent above optimum, and then compacted to at least 90 percent of the laboratory maximum dry density as determined by ASTM Standard D1557 test method.
4. Compacted fill may be placed on native soils that have been properly scarified and recompact as discussed above.
5. All areas to receive compacted fill will be observed and approved by the Geotechnical Engineer before the placement of fill.

C1.7 Placement and Compaction of Fill

1. Compacted fill placed for the support of footings, slabs-on-grade, exterior concrete flatwork, and driveways will be considered structural fill. Structural fill may consist of approved on-site soils or imported fill that meets the criteria indicated below.
2. Fill consisting of selected on-site earth materials or imported soils approved by the Geotechnical Engineer shall be placed in layers on approved earth materials. Soils used as compacted structural fill shall have the following characteristics:
 - a. All fill soil particles shall not exceed three inches in nominal size, and shall be free of organic matter and miscellaneous inorganic debris and inert rubble.
 - b. Imported fill materials shall have an Expansion Index (EI) less than 20. All imported fill should be compacted to at least 90 percent of the laboratory maximum dry density (ASTM Standard D1557) at about to three percent above optimum moisture.
3. Fill soils shall be evenly spread in maximum 8-inch lifts, watered or dried as necessary, mixed and compacted to at least the density specified below. The fill shall be placed and compacted on a horizontal plane, unless otherwise approved by the Geotechnical Engineer.
4. All fill placed at the site shall be compacted to at least 90 percent of the laboratory maximum dry density as determined by ASTM Standard D1557 test



method. The on-site soils shall be moisture conditioned between optimum and three percent above the optimum moisture content.

5. Representative samples of materials being used, as compacted fill will be analyzed in the laboratory by the Geotechnical Engineer to obtain information on their physical properties. Maximum laboratory density of each soil type used in the compacted fill will be determined by the ASTM Standard D1557 compaction method.
6. Fill materials shall not be placed, spread or compacted during unfavorable weather conditions. When site grading is interrupted by heavy rain, filling operations shall not resume until the Geotechnical Engineer approves the moisture and density conditions of the previously placed fill.
7. It shall be the Grading Contractor's obligation to take all measures deemed necessary during grading to provide erosion control devices in order to protect slope areas and adjacent properties from storm damage and flood hazard originating on this project. It shall be the contractor's responsibility to maintain slopes in their as-graded form until all slopes are in satisfactory compliance with job specifications, all berms have been properly constructed, and all associated drainage devices meet the requirements of the Civil Engineer.

C1.8 Trench Backfill

The following specifications are recommended to provide a basis for quality control during the placement of trench backfill.

1. Trench excavations to receive backfill shall be free of trash, debris or other unsatisfactory materials at the time of backfill placement.
2. Trench backfill shall be compacted to a minimum relative compaction of 90 percent as per ASTM Standard D1557 test method.
3. Rocks larger than one inch should not be placed within 12 inches of the top of the pipeline or within the upper 12 inches of pavement or structure subgrade. No more than 30 percent of the backfill volume shall be larger than 3/4-inch in largest dimension. Rocks shall be well mixed with finer soil.
4. The pipe design engineer should select bedding material for the pipe. Bedding materials generally should have a Sand Equivalent (SE) greater than or equal to 30, as determined by the ASTM Standard D2419 test method.
5. Trench backfill shall be compacted by mechanical methods, such as sheepfoot, vibrating or pneumatic rollers, or mechanical tampers, to achieve the density specified herein. The backfill materials shall be brought to between optimum and three percent above optimum, then placed in horizontal layers. The thickness of uncompacted layers should not exceed eight inches. Each layer shall be evenly



spread, moistened or dried as necessary, and then tamped or rolled until the specified density has been achieved.

6. The contractor shall select the equipment and processes to be used to achieve the specified density without damage to adjacent ground and completed work.
7. The field density of the compacted soil shall be measured by the ASTM Standard D1556 or ASTM Standard D2922 test methods or equivalent.
8. Observation and field tests should be performed by Converse during construction to confirm that the required degree of compaction has been obtained. Where compaction is less than that specified, additional compactive effort shall be made with adjustment of the moisture content as necessary, until the specified compaction is obtained.
9. It should be the responsibility of the Contractor to maintain safe conditions during cut and/or fill operations.
10. Trench backfill shall not be placed, spread or rolled during unfavorable weather conditions. When the work is interrupted by heavy rain, fill operations shall not be resumed until field tests by the project's geotechnical consultant indicate that the moisture content and density of the fill are as previously specified.

C1.9 Observation and Testing

1. During the progress of grading, the Geotechnical Engineer will provide observation of the fill placement operations.
2. Field density tests will be made during grading to provide an opinion on the degree of compaction being obtained by the contractor. Where compaction of less than specified herein is indicated, additional compactive effort with adjustment of the moisture content shall be made as necessary, until the required degree of compaction is obtained.
3. A sufficient number of field density tests will be performed to provide an opinion to the degree of compaction achieved. In general, density tests will be performed on each one-foot lift of fill, but not less than one for each 500 cubic yards of fill placed.



APPENDIX D

PERCOLATION TESTING

APPENDIX D

PERCOLATION TESTING

The continuous pre-soak falling-head test procedure for water percolation testing was utilized to evaluate soil infiltration rates of the fill and native soils encountered between depths of 0 to 20 feet below the ground surface at boring location BH-1. The test locations were prepared by placing a perforated 3-inch diameter PVC pipe surrounded by gravel after drilling and sampling. Water was filled to the ground surface to pre-soak prior to testing.

Testing started following the initial presoak, with measurements taken at regular interval of 10 minutes for a period of 1 hour 10 minutes. The test hole was refilled to approximately the same depth as the initial water level for test holes where the water drained faster than half of the initial wetted depth in 30 minutes or less.

PERCOLATION ANALYSIS

The percolation test results are shown on the following data sheets. A gravel correction factor was applied to the initial data set, in general accordance with Los Angeles County guidelines. The site soils tested within the upper 20 feet are primarily gravelly sand with high infiltration rates. These soils are considered suitable for percolation drainage systems. Such systems should be constructed a minimum distance of 10 feet laterally from any existing or future planned building or subsurface structure as not to disturb or undermine foundations. Infiltration of water should begin at a depth of 5 feet below grade and into native sandy soils similar to those tested.

Percolation Testing Explanation:

D = Diameter of the Boring Hole

T_i = Test Start Time, T_f = Test End Time, ΔT = Change in Time

d_B = Depth to Bottom

d_i = Start Depth to Water Surface (relative to grade)

d_f = End Depth to Water Surface (relative to grade)

Δd (F) = Change in Depth to Water Surface

L_{ave} = Average Length of Water column = d_B - ((d_i + d_f) / 2)

Q = Gallons of Water per Square Foot per Day = Δd * D * 9 / L_{ave} * ΔT

Minutes Per Inch (MPI) = 180/Q

Inches Per Hour = 60/MPI

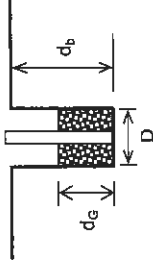


Percolation Testing

Test No. BH-2

Job Name: San Fernando High School Teen Health Center
 Job No.: 11-31-101-01
 Location: 11133 O'Melveny Avenue, San Fernando
 Test Date: February 10, 2011

Depth of Boring (d_b): 20.0 feet
 Diameter of Boring (D): 0.67 feet
 Technician: SCL
 Comments:



Gravel Pack Depth, d_g = 16 feet

Gravel Pack Correction Factor, G_{CF} = 46.0%

% of Gravel Pack to Total Depth, G_{CT} = d_g/d_b = 80.0%

Time of Testing			Depth to Water Level			Q (F*D*9) / (L _{ave} *ΔT) (g/s/ft/d)	Minutes per Inch (180/Q)	Inches per Hour (60/mpi)
Initial Time	Final Time	Time Interval ΔT (hr)	Depth to Bottom d _b (feet)	Initial Height d _i (feet)	Drop in Height F = d _i - d _f = Δd (feet)			
Presoak 9:16 AM	12:00 PM	2.73						
Percolation Test								
1:10:00 PM	1:20:00 PM	0.17	20.0	0.00	4.91	10.13	17.8	3.4
1:20:00 PM	1:30:00 PM	0.17	20.0	4.91	7.83	7.75	23.2	2.6
1:30:00 PM	1:40:00 PM	0.17	20.0	7.83	9.25	4.48	40.2	1.5
1:40:00 PM	1:50:00 PM	0.17	20.0	9.25	10.50	4.47	40.3	1.5
1:51:00 PM	2:01:00 PM	0.17	20.0	0.50	5.75	11.26	16.0	3.8
2:01:00 PM	2:11:00 PM	0.17	20.0	5.75	7.67	5.23	34.4	1.7
2:11:00 PM	2:21:00 PM	0.17	20.0	7.67	9.35	5.29	34.0	1.8
2:21:00 PM	2:31:00 PM	0.17	20.0	9.35	10.50	4.13	43.6	1.4

M.P.I. I.P.H.

Uncorrected Averaged Q, Q_{RAW} = 6.59 27.31 2.20

Gravel Pack Corrected Q, Q_{CORRECTED} = G_{CF}*G_{CT}*Q_{RAW} + (1-G_{CT})*Q_{RAW} = 3.74 48.08 1.25

APPENDIX C

Phase 1 and Phase 2 Environmental Site Assessments(Converse and Alta) Soil Gas Vapor Testing



Converse Consultants

Geotechnical Engineering, Environmental & Groundwater Science, Inspection & Testing Services

Phase I Environmental Site Assessment Report

San Fernando High School Teen Center
11133 O'Melveny Avenue
San Fernando, California

CONVERSE Project No. 10-41-282-01

July 25, 2011

Prepared For:

Bernards
555 First Street
San Fernando, California 91340

Prepared By:

CONVERSE CONSULTANTS
222 East Huntington Drive, Suite 211
Monrovia, California 91016





Converse Consultants

Geotechnical Engineering, Environmental & Groundwater Science, Inspection & Testing Services

July 25, 2011

Mr. Jack Hall
Bernards
555 First Street
San Fernando, California 91340

Subject: PHASE I ENVIRONMENTAL SITE ASSESSMENT REPORT
San Fernando High School Teen Health Center
11133 O'Melveny Avenue
San Fernando, California
CONVERSE Project No. 10-41-282-01

Mr. Hall:

CONVERSE CONSULTANTS (CONVERSE) is pleased to submit the attached report that summarizes the activities and the results of a Phase I Environmental Site Assessment (Phase I ESA) that was conducted at the referenced property (Property).

A summary of the assessment is presented in the Executive Summary, as well as in Sections 7.0, 8.0, and 9.0 of the report. Non-scope items are discussed in Section 11.0. Recognized Environmental Conditions were identified during this assessment.

We appreciate the opportunity to be of service. Should you have any questions or comments regarding this report, please contact Lisa Waldez at (626) 930-1250 or Norman Eke at (626) 930-1260.

CONVERSE CONSULTANTS

Lisa Waldez
Staff Environmental Scientist

Norman S. Eke, REA-I
Managing Officer

Dist.: 2/Addressee

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Executive Summary

The following is an Executive Summary of the Phase I Environmental Site Assessment (Phase I ESA) that was conducted by CONVERSE CONSULTANTS (CONVERSE). Please refer to the appropriate sections of the report for a complete discussion of these issues.

In the event of a conflict between this Executive Summary and the report, or an omission in the Executive Summary, the report shall prevail.

This report presents the results of the CONVERSE Phase I ESA performed at proposed San Fernando High School Teen Health Center, 11133 O'Melveny Avenue in the unincorporated area (San Fernando) of the City of Los Angeles, Los Angeles County, California, referred to as the Property in this report. CONVERSE was retained by Bernards to conduct this Phase I ESA. Our study has been conducted in order to identify, to the extent practical within the scope of an ESA, Recognized Environmental Conditions (RECs) in connection with the Property.

CONVERSE has compiled and reviewed information that was obtained from interviews, document research, and on-site and area reconnaissance to identify potential environmental conditions at the Property, in conformance with the ASTM Standard E: 1527-05 Environmental Site Assessment Standard Practice (ASTM Standard: E1527-05). This Phase I ESA was conducted during the period of January 28, 2011 to March 28, 2011.

The Property is located at the southwest corner of Chamberlain Street and O'Melveny Avenue, in the unincorporated area of the City of Los Angeles, Los Angeles County, California. In addition to the current known address, the City of Los Angeles Zoning Information and Mapping System (ZIMAS) indicated a secondary address of 14106 West Chamberlain Street. The Property is located approximately $\frac{1}{3}$ -mile east of Interstate 5 (Golden State Freeway) and $\frac{1}{5}$ -mile north of the State Route 118 (Ronald Reagan Freeway).

As early as 1927, the Property was agricultural land. In 1938, the Property appeared to be vacant land. By 1947, the Property appeared to be a residential property with a total of two structures. As of 1952, the Property had been combined with the northwest and west adjacent properties as the agricultural center for San Fernando High School. In the 1950s to the mid-1970s, the Property was observed with five to six agriculturally-related structures. The building permits identified a garden storage building, a poultry house, and an agricultural unit that are believed to have been erected on the Property. Later in 1988, the Property was only observed with three structures resembling the Property's current configuration. These structures have been presently identified as a temporary trailer, a storage building, and a tool shed. The school's plant manager stated that one of the storage buildings was historically used as a chicken coop.

The Property boundaries appear to only include a portion of the tool shed. In addition to these structures, the Property also includes landscaped areas, asphalt-paved areas,



and concrete compost bins. No hazardous materials storage was observed in these storage areas.

This assessment has revealed no evidence of *recognized environmental conditions* in connection with the *property* except for the following:

- The Property's historical agricultural use.
- The Property's proximity to the San Fernando Valley, Area 2 National Priorities List (NPL) site.

Based on the findings of this assessment, it appears that the no further assessment is warranted as it relates to the NPL site. A Phase II assessment is being performed in conjunction with this Phase I assessment to evaluate select soils for total petroleum hydrocarbons carbon chain (TPHcc), metals, and organochlorine pesticides (OCPs). The Phase II report will be provided by Converse under a separate cover.



1.0 Introduction

1.1 Purpose and Scope of Services

This report presents the results of the CONVERSE CONSULTANTS (CONVERSE) Phase I Environmental Site Assessment (ESA) performed at the proposed San Fernando High School Teen Health Center, 11133 O'Melveny Avenue in the unincorporated area (San Fernando) of the City of Los Angeles, Los Angeles County, California, referred to as the Property in this report. CONVERSE was retained by Bernards to conduct this Phase I ESA. Our study has been conducted in order to identify, to the extent practical, Recognized Environmental Conditions (RECs) in connection with the Property. The term Recognized Environmental Conditions is defined in Section 1.1.1 of the American Society of Testing and Materials (ASTM) Standard Practice as *the presence or likely presence of any hazardous substances or petroleum products on a property under Conditions that indicate an existing release, past release, or material threat of a release... into structures on the property or into the ground, ground water or surface water of the property.*

On January 11, 2002, Public Law 107-118 was signed. The Small Business Liability Relief and Brownfields Revitalization Act (SBLRBRA) directed the United States Environmental Protection Agency (EPA) to promulgate a rule defining due diligence for compliance with the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA). This rule, which is generally referred to as All Appropriate Inquiry (AAI) was adopted on November 1, 2005. The AAI rule states that ASTM E1527-05 complies with the EPA requirements for AAI. In some cases the ASTM 1527-05 is more stringent than AAI.

This Phase I ESA was completed in accordance with our proposal dated December 20, 2010. Our work consisted of the following and was completed in general conformance with the scope and limitations of the ASTM Practice E1527-05 and complies with standards and practices set forth in 40 Code of Federal Regulations (CFR) Part 312 for AAI.

- Interviews with the Property owner representatives
- Property and vicinity reconnaissance
- Review of regulatory agency records
- Description of physical setting
- Historical review
- Interviews with public agency personnel
- Preparation of this report



1.2 Non-Scope Considerations

There are a number of non-scope issues which are sometimes assessed concurrently with a Phase I ESA. Unless specifically agreed in the contract proposal documents, these non-scope considerations are not included as part of the Phase I assessment. Examples of non-scope issues include:

- Asbestos-containing building material
- Lead-base Paint
- Wetlands
- Cultural & Historic Resources
- Industrial Hygiene
- Health & Safety
- Mold
- Diffuse Anthropogenic Pollution
- Radon
- Lead in Drinking Water
- Regulatory Compliance
- Ecological Resources
- Endangered Species
- Indoor Air Quality
- Biological Agents
- Non-liquid Polychlorinated Biphenyls

No Non-scope issues were addressed in this report.

1.3 Significant Assumptions

No assumptions were made for this assessment that need to be noted as significant.

1.4 Limitations and Exceptions

The following limitations and exceptions were encountered during the course of this assessment:

- An owner questionnaire was submitted to the Los Angeles Unified School District (LAUSD); however, a completed questionnaire was not received during the timeframe of this assessment.
- Historical information regarding the Property was dated as early as 1927 as agricultural land; therefore, a historical data failure has occurred. It is unlikely that researching additional ASTM resources would yield significant information.
- Additional information was requested from the Los Angeles County Department of Health Services; however, a response was not received during the timeframe of this assessment.



1.5 Special Terms and Conditions

The Client has indicated that although they are contracting for the work, Los Angeles County, Department of Public Works may rely on this report.

1.6 Reliance

This report is for the sole benefit and exclusive use of Bernards and the Los Angeles County Department of Public Works in accordance with the terms and conditions under which these services have been provided. Its preparation has been in accordance with generally accepted environmental practices. No other warranty, either express or implied, is made. The Scope of Services associated with the report was designed solely in accordance with the objectives, schedule, budget, and risk-management preferences of Bernards.

This report should not be regarded as a guarantee that no further contamination, beyond that which could be detected within the scope of this assessment, is present at the Property. CONVERSE makes no warranties or guarantees as to the accuracy or completeness of information provided or compiled by others. It is possible that information exists beyond the scope of this assessment. It is not possible to absolutely confirm that no hazardous materials and/or substances exist at the Property. If none are identified as part of a limited scope of work, such a conclusion should not be construed as a guaranteed absence of such materials, but merely the results of the evaluation of the property at the time of the assessment. Also, events may occur after the Property visit, which may result in contamination of the Property. Additional information, which was not found or available to CONVERSE at the time of report preparation, may result in a modification of the conclusions and recommendations presented.

Any reliance on this report by Third Parties shall be at the Third Party's sole risk. Should Bernards wish to identify any additional relying parties not previously identified, a completed *Application of Authorization to Use* (see Appendix A of this report) must be submitted to CONVERSE CONSULTANTS.



2.0 Property Description

2.1 *Current Uses of the Property*

The Property is owned by the Los Angeles Unified School District (LAUSD) and operates as a small portion of the San Fernando Senior High School. The Property boundaries include a portion of a tool shed, landscaped areas, a temporary trailer for storage, a former chicken coop used for school furniture storage, and concrete compost bins.

A Property location map and a field generated Property plan are provided in Appendix B. Pertinent Property photographs are provided in Appendix C.

2.2 *Location and Legal Description*

The Property is located at 11133 O'Melveny Avenue. However, according to the City of Los Angeles Zoning Information and Mapping System (ZIMAS) the Property has a secondary address of 14106 West Chamberlain Street. The Property is located at the southwest corner of Chamberlain Street and O'Melveny Avenue, in the unincorporated area of the City of Los Angeles, Los Angeles County, California. The Property is located approximately $\frac{1}{3}$ -mile east of Interstate 5 (Golden State Freeway) and $\frac{1}{5}$ -mile north of the State Route 118 (Ronald Reagan Freeway).

The Los Angeles County Assessor's Parcel Number for the Property is 2616-011-901. The legal description of the Property is described as the following:

**TR=3591*LOT (EX OF ST) COM AT MOST N COR OF LOT 53 TH S 48°14' W
702.38 FT TH S 41°46' E 435.5 FT TH S 48°14' W 307.62 FT TH S 41°46' E
118 FT TH N 48° ... SEE MAPBOOK FOR MISSING PORTION ... LOT 54*

2.3 *Zoning Information*

According to the City of Los Angeles, ZIMAS website, the zoning for the Property is PF-1VL-O, which is defined as public facilities zone.

2.3 *Property Characteristics*

The Property is a portion of a larger roughly triangle shaped parcel containing approximately 14,250 square feet. The Property is generally level and the portions of the Property are asphalt-paved; however, the majority of the Property



is improved ground surface or landscaped. The Property is currently occupied by a metal storage trailer, two storage buildings, and a concrete compost bin.

The Property fronts onto Chamberlain Street on the north and O'Melveny Avenue. Properties in the general area are used for commercial and residential purposes. The Interstate 5 freeway is located west of the Property and State Route 118 is located south of the Property.

Located approximately ½-mile east of the Property is the San Fernando Valley Groundwater Basin, which has been identified as a National Priority List (NPL) site due to regional groundwater contamination from volatile organic compounds (VOCs).

2.4 Description of Property Structures

A concrete compost structure is located at the southeast corner of the Property and a metal temporary trailer was present at the southwest corner of the Property. This trailer was observed storing non-hazardous school furnishings. Also along the western boundary was a structure that was according to the plant manager, historically used as a chicken coop. According to building permits, this structure was installed at the Property in 1952 and measures approximately 16 feet by 48 feet. A tool shed also straddles the Property and west adjacent property. The tool shed and storage building exterior building materials were gravel roofing and stucco over wood. The interior building materials were wood walls and ceilings and concrete slab floors.

The following services were present at the Property vicinity at the time of the assessment.

- Electricity: City of Los Angeles, Department of Water and Power (DWP)
- Gas: Southern California Gas Company
- Potable Water: DWP
- Sanitary Sewer: City of Los Angeles, Bureau of Industrial Waste
- Heating, Ventilation, Air Conditioning (HVAC): Not applicable
- Solid Waste: Allied Waste

3.0 User/Owner Provided Information & Responsibilities

3.1 *Requested Documents and Information*

The ASTM E1527 specifies that the Property owner, key site manager and the User provide any helpful documents that may be available. In order to facilitate, and document, the collection of this information, CONVERSE prepared a form titled Owner Interview and Helpful Information. CONVERSE requested that the User Bernards, as well as the Property owner, LAUSD, complete the form.

The following documents and information were requested from Bernards and Los Angeles County Department of Public Works (LACoDPW) and LAUSD. However, Bernards and LACoDPW and LAUSD had no information.

- Environmental site assessment or environmental compliance audit reports
- Environmental permits or hazardous waste generator notices/reports
- Registrations for aboveground and underground storage tanks
- Septic systems, oil wells, or water wells
- Registrations for underground injection systems
- Material Safety Data Sheets; Community Right to Know Plans; or Safety, Preparedness and Prevention Plans; Spill Protection Countermeasures and Control Plans
- Reports regarding hydrologic conditions on the Property or surrounding area
- Notices or other correspondence from any government agency relating to past or current violations of environmental laws with respect to the Property or relating to environmental liens encumbering the Property.
- Hazardous waste generator notices or reports
- Geotechnical studies
- Risk assessments
- Recorded Activity Use Limitations (AULs)
- Proceedings regarding hazardous substances and petroleum products including any pending, threatened or past: litigation; administrative proceedings; or notices from any governmental entity regarding possible violations of environmental laws or other possible liability related to hazardous substances or petroleum products.

3.2 *User Provided Information*

Section 6 of ASTM E1527-05 outlines specific User's responsibilities. This information will help identify the possibility of RECs in connection with the Property. The ASTM Standard provides a questionnaire to help the User to comply with the statutory requirements to perform tasks which would help identify



RECs. CONVERSE included the questionnaire as Attachment A to our proposal. In general, any Users should make CONVERSE aware of information they have regarding the following:

- Environmental Cleanup Liens filed or recorded against the Property
- Activity and land use limitations that are in place on the Property or have been filed or recorded in a registry.
- Specialized knowledge or experience of the person seeking to qualify for the Landowner Liability Protections (LLP)
- Relationship of the purchase price to fair market value of the Property if it were not contaminated
- Commonly known or reasonably ascertainable information about the Property
- The degree or obviousness of the presence or likely presence of contamination at the Property, and the ability to detect this contamination by appropriate investigation.

The following information was requested from the User, LACoDPW and Bernards:

3.2.1 Environmental Cleanup Liens

The User had no information regarding environmental cleanup liens or title records.

3.2.2 Activity and Use Limitations

The User did not have any information indicating they were aware of any AULs.

3.2.3 Specialized Knowledge or Experience

The User did not have any information indicating they had specialized knowledge or experience related to the Property or nearby property.

3.2.4 Reason for Significantly Lower Purchase Price

CONVERSE has no information regarding the purchase price of the Property or comparable properties. The User has not indicated to CONVERSE that there is any conclusion that there was a lower purchase price because of known or suspected contamination at the Property.

3.2.5 Commonly Known or Reasonably Ascertainable Information

The User did not have any information about past uses; specific chemicals at the Property; past spills; environmental cleanup or other reasonably ascertainable information regarding the Property.

3.2.6 Obviousness of Contamination

The User did not have any information based on their knowledge or experience that would be obvious indicators of contamination on the Property.

Unless specifically stated otherwise in the Scope of Services, the purpose of this Phase I ESA was to qualify for the landowner liability protections to CERCLA Liability as described in ASTM E1527-05.

Business risk unrelated to the CERCLA innocent landowners defense are only assessed as specifically agreed in the Scope of Services and discussed in Section 11.0, Additional Non-Scope Services, of this report.

3.3 Continuing Obligations

In order to assert a landowner liability protection (LLP), the User must satisfy a number of statutory requirements that are generally referred to as Continuing Obligations, which are outside the Scope of Services of the Phase I ESA. Examples of Continuing Obligations include providing legally required notices stopping continuing releases and complying with land use restrictions. Failure to comply with these and other statutory post-acquisition requirements will jeopardize liability protection.

It is the responsibility of the User to comply with the Continuing Obligations requirements of ASTM E1527-05 and AAI.



4.0 Records Review

4.1 *Physical Setting*

4.1.1 *Geology*

The Property is located approximately 1,010 feet above mean sea level with surface topography sloping towards the south (United States Geological Survey [USGS] Topographic Map, San Fernando, California, 1995). The Property is underlain by non-hydric fine sandy loam (Environmental Data Resources (EDR) Inc., Soil Conservation Service SSURGO, 2011).

4.1.2 *Groundwater*

The nearest groundwater well to the Property is located approximately $\frac{3}{4}$ -mile northwest of the Property near the intersection of Hagar Street and Sharp Avenue. Los Angeles County, Department of Public Works (DPW) well number 4842A was last measured on May 19, 2009. At that time, the depth to groundwater was recorded at 342.8 feet below ground surface. The surface elevation was recorded at 1,001.0 feet.

The direction of regional groundwater flow towards the south (Upper Los Angeles River Area Watermaster, Groundwater Contour Map in the Upper Los Angeles River Area Basins – Spring 2005).

Located approximately $\frac{1}{2}$ -mile east of the Property is the San Fernando Valley Groundwater Basin, which has been identified as a NPL site due to regional groundwater contamination from VOCs.

4.1.3 *Potable Water Supplier*

Potable water is supplied by DWP, approximately 60% comes from the Eastern Sierra via the Los Angeles Aqueduct system, 15% from the San Fernando groundwater basin, and 25% from the Metropolitan Water District's Colorado and Feather River supplies.

4.2 Historical Review

4.2.1 Aerial Photograph and Map Review

Available historical aerial photographs (Environmental Data Resources (EDR), Inc.) and USGS topographic maps, as described in Table 1, were reviewed.

Table 1 – Aerial Photograph and Map Review

Date	Reference	Observations
1927 1928	USGS Map Aerial Photograph	<p>The Property appeared to be agricultural land bordering a wash on the south.</p> <p>The north adjacent property was an intersection, followed by agricultural land. The south adjacent was agricultural land and a wash. The east adjacent property was a wash and improved land observed with dwellings. The west adjacent property consisted of agricultural land, a road, and residential dwellings.</p> <p>The general vicinity of the Property consisted of agricultural land, residential areas, industrial areas, the Southern Pacific Railroad, and Pacific Electric Railroad.</p>
1938	Aerial Photograph	<p>The Property appeared to be vacant land bordering the Pacoima Wash.</p> <p>The north adjacent property consisted of vacant land, street intersection, followed by vacant improved land and residential properties. The south adjacent property was vacant land and the Pacoima Wash. The east adjacent property was the Pacoima Wash and a street, followed by vacant land and a residential property. The west adjacent property was vacant land and a street, followed by a residential property.</p> <p>The general vicinity of the Property consisted of residential properties, the Pacoima Wash, and agricultural fields.</p>
1947	USGS Map Aerial Photograph	<p>The Property appeared to be a residential property with at least two structures.</p> <p>The north adjacent property consisted of streets, followed by residential properties. The south adjacent property was vacant and agricultural land. The east adjacent property was a street, followed by a residential property, a small agricultural plot, and vacant land. The west adjacent property was agricultural land and a street, followed by a residential property.</p> <p>The general vicinity of the Property consisted of</p>

Table 1 – Aerial Photograph and Map Review

Date	Reference	Observations
		residential properties, agricultural land, the Pacoima Wash, the Southern Pacific Railroad, and State Route 118.
1953 1956	USGS Map Aerial Photograph	<p>The Property was observed with approximately six structures that appear to be associated with the adjacent San Fernando High School.</p> <p>The north adjacent properties were streets, followed by residential properties. The south adjacent properties appeared to be improved land and a structure also associated with San Fernando High School. The east adjacent property was a street, followed by residential properties and vacant land. The west adjacent properties consisted of a building and improved land associated with San Fernando High School and a street, followed by San Fernando High School.</p> <p>The general vicinity of the Property consisted of residential properties, San Fernando High School, agricultural land, vacant land, a drive-in theatre, State Route 118, Pacoima Spreading Grounds, and the Southern Pacific Railroad.</p>
1965 1966	Aerial Photograph USGS Map	<p>No significant changes to the Property were observed since the 1956 aerial photograph, with the exception of only five structures were present at the Property.</p> <p>No significant changes to the north, south, and west adjacent properties were observed since the 1956 aerial photograph. The east adjacent property was a street, followed by residential properties.</p> <p>The general vicinity of the Property consisted of residential properties, San Fernando High School, vacant land, a drive-in theatre, Pacoima Spreading Grounds, the Southern Pacific Railroad, Interstate 5 freeway, and State Route 118.</p>
Photorevised 1972 1976	USGS Map Aerial Photograph	<p>No significant changes to the Property, adjacent properties, and general vicinity were observed since the 1966 USGS Map; with the exception of the west adjacent property.</p> <p>Immediately west adjacent to the Property are buildings and improved land associated with San Fernando High School and a street, followed by San Fernando High School.</p>
Photorevised 1988 1989 1994	USGS Maps Aerial Photographs	<p>The Property was observed with three structures.</p> <p>No significant changes to the adjacent properties or properties in the vicinity were observed since the 1976 aerial photograph.</p>

Table 1 – Aerial Photograph and Map Review

Date	Reference	Observations
1995		
2002		
2005		

4.2.2 Building Permit Review

Available building permits were reviewed at the City of Los Angeles, Department of Building & Safety for the address of 11133 O'Melveny Avenue. No permits were found for the address of 14106 Chamberlain Street. A chronological summary of the permits that appeared to apply to the Property is provided below.

May 20, 1952: A Certificate of Occupancy was issued to the Los Angeles City School District for a one-story garden storage building (approximately 10 feet by 11 feet) relocation.

May 20, 1952: A Certificate of Occupancy was issued to the Los Angeles City School District for a one-story poultry house (approximately 16 feet by 48 feet) – relocated.

May 20, 1952: A Certificate of Occupancy was issued to the Los Angeles City School District for a one-story agriculture unit (approximately 12 feet by 80 feet) – relocated.

July 25, 1956: A grading permit was issued for grading between Fox Street at Lots 53 and 54. The accompanying site drawing indicated that the Property was an agricultural area east of the cut and fill grading areas.

4.2.3 City Directories

A city directory search was completed for the Property address of 11133 O'Melveny Avenue by EDR. The complete city directory is provided in Appendix D, EDR-City Directory. The historical address of 14106 Chamberlain Street was not identified in the City Directory.

The Property was identified under the following listings in the directories published during the years indicated:

Table 2 – City Directory Summary

Property Address	Listing	Year
11133 O'Melveny Avenue	<ul style="list-style-type: none"> • San Fernando High School • San Fernando High School Agriculture • San Fernando High School Adult School • LA State College San Fernando 	1956
	<ul style="list-style-type: none"> • San Fernando High School • San Fernando High School Agriculture • San Fernando High School Adult School 	1962
	<ul style="list-style-type: none"> • San Fernando High School 	1970
	<ul style="list-style-type: none"> • Opportunity at San Fernando High • Adult Evening School • Day High School • Mission High School 	1975
	<ul style="list-style-type: none"> • Mission High School – San Fernando • Opportunity at San Fernando High • San Fernando High School • YWCA 	1980
	<ul style="list-style-type: none"> • Infant Learning Center • Mission High School • Opportunity at San Fernando High School 	1985
	<ul style="list-style-type: none"> • Infant Learning Center • Mission High School • Opportunity House Inc. at San Fernando High • San Fernando Adult Campus • San Fernando High School 	1991
	<ul style="list-style-type: none"> • Infant Learning Center • Kennedy San Fernando Community Adult School • Mission High School • Opportunity at San Fernando High • YWCA of Los Angeles 	1995
	<ul style="list-style-type: none"> • Mission High School • Opportunity at San Fernando High School 	2004

The adjacent properties were identified as residential uses in the city directories from 1950 to 2004.

4.2.4 Data Failure

Historical information regarding the Property was dated as early as 1927 as agricultural land; therefore, a historical data failure has occurred. It is



unlikely that researching additional ASTM resources would yield significant information.

4.2.5 Summary of Historical Property Use

As early as 1927, the Property was agricultural land. In 1938, the Property appeared to be vacant land. By 1947, the Property appeared to be a residential property with a total of two structures. As of 1952, the Property had been combined with the northwest and west adjacent properties as the agricultural center for San Fernando High School. In the 1950s to the mid-1970s, the Property was observed with five to six agriculturally-related structures. The building permits identified a garden storage building, a poultry house, and an agricultural unit that are believed to have been erected on the Property. Later in 1988, the Property was only observed with three structures resembling the Property's current configuration. These structures have been presently identified as a temporary trailer, a storage building, and a tool shed.

4.2.6 Summary of Past Uses of Adjoining Properties

As early as 1927, the adjoining properties were identified as agricultural land, residential properties, a wash, and streets. By 1938, the areas of agricultural land were observed as vacant; however, in 1947, smaller agricultural fields were observed. As early as 1952, the adjacent properties consisted of vacant land, residential properties, streets, and San Fernando High School (to the northwest). By 1965, the vacant areas were developed as residential properties.

4.2.7 Summary of Past Uses of the Surrounding Area

The general vicinity of the Property consisted of agricultural land, residential properties, a wash, industrial areas, and railroad lines as early as 1927. In the following decades residential, commercial, and light industrial density increased, while the density of agricultural land decreased. The wash was identified as the Pacoima Wash by 1947. Agricultural land was no longer observed in the surrounding area by 1956. As early as 1965, the Interstate 5 and State Route 118 were established in the area. The railroad lines were observed through to 2005.

4.3 Results of Environmental Records Sources Review

An Environmental Data Resources (EDR) report of Standard Environmental Record Sources (Records) was prepared specifically for the Property. The search included queries to the following databases for cases within specified



ASTM search distances. The search radii for the databases were expanded by 1/8-mile. A copy of the EDR Radius Map Report has been provided in Appendix E.

4.3.1 Property Listings

San Fernando High School was identified at the address of 11133 O'Melveny Avenue and was identified on the following databases in the EDR report. However, these listings do not appear to be related to the Property specifically.

RCRA Generators List

The EPA's RCRA Program identifies and tracks hazardous waste from the point of generation to the point of disposal. This is a database which lists facilities which generate, store, transport, treat, or dispose of hazardous waste. Small quantity facilities generate less than 1,000 kilograms per month of non-acutely hazardous waste. Large quantity facilities generated at least 1,000 kilograms per month of non-acutely hazardous waste or one kilogram per month of acutely hazardous waste.

The school was identified as a small quantity generator of hazardous waste. No violations or specific wastes generated were reported under this listing.

Facility Index System/Facility Registry System (FINDS)

FINDS contains both facility information and 'pointers' to other sources that contain more detail.

The pertinent environmental activity identified at the school is the California Hazardous Waste Tracking System, RCRAInfo, the US Geographic Names Information System, National Center for Education Statistics.

Facility and Manifest Data (HAZNET)

Database of sites which submit a hazardous waste manifest to DTSC.

The school was recorded as having disposed of approximately 40 tons of asbestos-containing waste, 0.12 tons of other inorganic solid waste, and 0.08 tons of unspecified oil-containing waste. No date of disposal was noted in this listing.

Historical and Active Underground Storage Tank (UST) Sites

An inventory of USTs identified on the following databases: Facility Inventory Database (CA FID UST); UST; Hazardous Substance Storage Container Database (HIST UST); and Statewide Environmental Evaluation and Planning System (SWEEPS UST).

CA FID UST – The status was reported as inactive. No other information was provided in this listing.

SWEEPS UST – No information was provided in this listing.

HIST UST – One 5,076 gallon UST was installed in 1950 reportedly for waste storage. Refer to Section 4.4.8 for more information .

4.3.2 Adjoining Properties

The adjoining properties were not identified on the databases in the EDR report.

4.3.3 Other Off-site Locations of Concern

The San Fernando Valley, Area 1 (North Hollywood Wellfield Area) NPL site is located within a one-mile radius of the Property. The NPL site was listed as a CERCLIS, US ENG CONTROLS, US INST CONTROL, CONSENT, ROD, FINDS, HIST Cal-Sites, CORTESE, and ENVIROSTOR site. This area has contaminated groundwater from trichloroethylene (TCE), perchloroethylene (PCE), carbon tetrachloride, and chloroform. The affected groundwater underlies approximately 5,156 acres in the San Fernando Valley Basin. The Property has not been identified as a Potentially Responsible Party (PRP).

Other off-site locations of concern identified by EDR within a maximum 1 1/8-mile radius from the Property included CERCLIS sites, a CERCLIS-NFRAP site, a CORRACTS site, hazardous waste generators, sites under DTSC oversight (RESPONSE, ENVIROSTOR, HIST-CalSites), a landfill, LUST sites, sites with a reported release (SLIC, HIST CORTESE), registered UST sites, a recycling facility, a CDL site, permitted hazardous waste handler, a FINDS site, a Notify 65 site, and a WIP site.

The potential for environmental concern to the Property from these off-site locations of concern appear to be low due to one or more of the following: type of regulatory listing; type of resource (soil) affected, location with respect to the direction of regional groundwater, distance from the Property; status of the case; remedial efforts being directed by a regulatory agency; and/or potential responsible parties have been identified.

4.3.4 Orphan Listings

The EDR database report identified 21 orphan listings. The locations of sites that were identified by address were found to be in the general vicinity of the Property; however, due to distance, location with respect to the direction of regional groundwater, and/or type of listing were determined to have a low potential for environmental concern to the Property.

Other orphan sites were identified only by street name or site description. These street names were found in the general vicinity of the Property; however, the specific site locations could not be determined. These orphan sites appeared to have a low potential for environmental concern

to the Property due to one or more of the following: type of regulatory listing; location with respect to the direction of regional groundwater, distance from the Property; status of the case; remedial efforts being directed by a regulatory agency; and/or potential responsible parties have been identified.

4.4 Additional Environmental Record Sources

4.4.1 California Environmental Protection Agency (Cal/EPA), Department of Toxic Substances Control (DTSC)

No information regarding the Property addresses of 11133 O'Melveny Avenue or 14106 Chamberlain Street was on file with DTSC.

4.4.2 Cal/EPA, Los Angeles Regional Water Quality Control Board (RWQCB)

No information regarding the Property address of 11133 O'Melveny Avenue or 14106 Chamberlain Street was on file with the RWQCB.

4.4.3 California Department of Conservation, Division of Oil, Gas and Geothermal Resources (DOGGR)

Wildcat Map W1-2, Los Angeles and Ventura Counties, February 26, 2004 was reviewed. No oil or gas wells are located on the Property or adjacent properties.

4.4.4 California Department of Forestry and Fire Protection (CDP), Office of State Fire Marshall (OSFM), Pipeline Safety Division

There are no OSFM jurisdictional pipelines located within a ½-mile radius of the Property.

4.4.5 South Coast Air Quality Management District (SCAQMD)

According to the SCAQMD Facility Information Detail (FIND) database search, the address 11133 O'Melveny Avenue identifies San Fernando High School (Facility ID No. 72800). No equipment, facility details, compliance issues, emissions, or transportation plans were listed. There are no files with SCAQMD FIND for the additional address of 14106 Chamberlain Street.

4.4.6 Los Angeles County, Department of Health Services (DHS), Public Health Investigation



No information regarding the Property address of 11133 O'Melveny Avenue was on file with the DHS. Additional information was requested from the DHS for the address of 14106 Chamberlain Street; however, a response was not received during the timeframe of this assessment.

4.4.7 Los Angeles County, Department of Public Works (DPW), Environmental Programs Division

No information regarding the Property addresses of 11133 O'Melveny Avenue or 14106 Chamberlain Street was on file with the DPW.

4.4.8 City of Los Angeles Fire Department (LAFD)

On file with the LAFD UST Unit were records pertaining to a historical UST present at San Fernando Senior High School, north of Chamberlain Street (and the Property), adjacent to the boiler room.

A permit was filed on April 25, 1989 for the removal of a 5,000-gallon steel diesel tank that was encased in a concrete vault. The UST was used to store diesel for the school's steam boilers.

A Final Closure Report for Underground Fuel Storage Tank Removal was completed on May 16, 1989, which stated that the tank contents were removed, the tanks rinsed, and contents manifested and properly disposed of, followed by the destruction of the tank. Grab samples were collected at approximately one foot below then tank at each end. The soil was observed to be dry, odorless, and without discoloration. The samples were analyzed for Total Petroleum Hydrocarbons (TPH). The samples were reported below the detectable level of 10 milligrams per kilogram (mg/kg). The excavation area was backfilled with clean imported grave and soil on May 9, 1989.

A closure letter was issued from the Los Angeles Fire Department to Mr. Ami Adini stating that the final closure report was reviewed and no further action was necessary.

On file with the LAFD Hazardous Materials Records for San Fernando High School at 11133 O'Melveny Avenue was a hazardous materials inventory last updated July 1, 2010 stating the storage of acetylene, diesel stored in plant service area, gasoline, oxygen, waste automatic transmission fluid, waste coolant, and used oil filters. San Fernando High School is permitted to use and store these chemicals with listed maximum quantity; however, no yearly quantity was listed for the school. Listed as in-active on the hazardous materials inventory was ajax cleaners and boraxo as of 1991 and 1993, respectively. A Chemical Waste Inventory



from 1997 listed sodium hydroxide, potassium hydroxide, sodium thiosulfate, and paint cans. In 1988, the operations at the school reported to use or handle hazardous materials were custodial, science labs, industrial arts, clerical, cafeteria operations, home economics, nurse office, and auto shop. These operations were not identified as occurring on the Property or adjacent to the Property.

No information is on file with the LAFD UST Unit and Hazardous Materials Program Unit for the Property address of 14106 Chamberlain Street.

4.4.9 City of Los Angeles, Department of Public Works (DPW), Bureau of Sanitation

On file with the DPW for San Fernando Senior High School at 11133 O'Melveny Avenue was an application for a new or proposed point of discharge dated July 1, 1957. The school is permitted for industrial wastewater and for fats, grease, and oil (FOG). The permit was last amended in 2006. The Property owner was listed as the Los Angeles Unified School District. The school is identified with a 180-gallon three-compartment clarifier with a lateral connection described as located in Fox Street, which is located north of the Property.

The recorded operations for the school are baking, boiling, cooling tower/evaporative condenser repairing/servicing, floor washing, fruit/vegetable washing, and general equipment washing. Copies of these documents have been provided in Appendix F.

No information was on file with the DPW for the Property address of 14106 Chamberlain Street.

4.4.9 City of Los Angeles, Department of Water and Power (DWP), Engineering Services Division

According to the DWP, there are no electrical equipment on or near the Property that contain poly-chlorinated biphenyls (PCBs). A copy of this document has been provided in Appendix F.

5.0 Property Reconnaissance

5.1 Methodology

On February 10, 2011 CONVERSE visited the Property to evaluate present use and to identify observable environmental conditions at the Property. Our methodology involved walking the perimeters, centerlines, and accessible interior areas of the buildings while noting observed evidence of present and potential environmental concerns.

A field-generated map is provided in Appendix B. Pertinent Property photographs are provided in Appendix C.

5.2 Limiting Conditions

CONVERSE's findings are based on the Property conditions observed on Thursday, February 10, 2011.

5.3 Interior Observations of Property

During our Property visit, CONVERSE made the following observations of the interior of the Property's buildings:

Table 3 – Interior Observations of Property

Item or Condition	Observed Evidence	No Evidence Observed	Comments
Hazardous Substances & Petroleum Products:	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Storage Tanks & Related Equipment:	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Odors:	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Standing Surface Water or Other Pools of Liquid:	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Drums & Other Containers of Hazardous Substances, Petroleum Products, or Other Unidentified Contents:	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

Table 3 – Interior Observations of Property

Item or Condition	Observed Evidence	No Evidence Observed	Comments
Transformers or Equipment containing Polychlorinated Biphenyls (PCBs):	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Heating/Cooling System:	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Stains or Corrosion on Floors, Walls, or Ceilings:	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Drains and Sumps:	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

In addition to the above items, CONVERSE also made the following observations:

- The metal trailer and storage building were observed with school furnishings.
- The tool shed was observed with non-hazardous maintenance equipment.

5.4 Exterior Observations of Property

During our Property visit, CONVERSE made the following observations of the exterior of the Property:

Table 4 – Exterior Observations of Property

Item or Condition	Observed Evidence	No Evidence Observed	Comments
Hazardous Substances & Petroleum Products:	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Storage Tanks & Related Equipment:	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Odors:	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Standing Surface Water or Other Pools of Liquid:	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Drums & Other Containers of Hazardous Substances, Petroleum Products, or Other	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

Table 4 – Exterior Observations of Property

Item or Condition	Observed Evidence	No Evidence Observed	Comments
Unidentified Contents:			
Transformers or Equipment containing Polychlorinated Biphenyls (PCBs):	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Pits, Ponds, or Lagoons:	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Stained Soil or Pavement:	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Stressed Vegetation (other than from insufficient water):	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Evidence of Mounds, Depressions or Filled or Graded Areas Suggesting Trash or Other Solid Waste Disposal:	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Waste Water or any discharge (including storm water) into a Drain, Ditch, or Stream on or Adjacent to the Property:	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Wells (active, inactive, or abandoned):	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Septic Systems or Cesspools:	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Prior Structures:	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Roads, Tracks, Railroad Tracks or Spurs:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	The Property fronts onto Chamberlain Street on the north and O'Melveny Avenue on the east.

In addition to the above items, CONVERSE also made the following observations:

- West of the Property boundaries, there is an interceptor present and utilized by the science building.

5.5 Current Uses of Adjoining Properties

Based on our research and observations during our Property visit, the Property is bordered by the following:

Table 5 – Adjoining Property Use

Direction	Current Development
North:	The streets Chamberlain Street and O'Melveny Avenue, followed by a San Fernando Senior High School parking lot and a single-family residential dwelling (14099 Chamberlain Street).
Northeast:	Chamberlain Street, followed by single-family residential dwellings (14094 Chamberlain Street and 11030-11040 O'Melveny Avenue).
Northwest:	Chamberlain Street, followed by a San Fernando Senior High School parking lot.
South:	San Fernando Senior High School, specifically a daycare center, lunch area, a lath house used for storage, an office bungalow and a restroom bungalow.
Southeast:	O'Melveny Avenue, followed by a residential property (11024 O'Melveny Avenue).
Southwest:	San Fernando Senior High School, specifically a lath house used for storage, a bathroom bungalow, and a greenhouse.
East:	O'Melveny Avenue, followed by single-family residential properties (14094 Chamberlain Street and 11024-11040 O'Melveny Avenue).
West:	San Fernando Senior High School, specifically a daycare center, lunch area, and a lath house used for storage; and Chamberlain Street, followed by the San Fernando Senior High School parking lot.

5.6 Current Uses of Surrounding Area

Based on our research and observations during our Property visit, the surrounding area of the Property consists of residential, commercial, light industrial, the Interstate 5 (Golden State Freeway) to the west and State Route 118 (Ronald Reagan Freeway) to the south.

6.0 Interviews

During the interviews, the owners and occupants were asked if they had any available documents that would be helpful. The documents that were requested are detailed in Section 3.1 of this report:

6.1 *Property Owner*

An owner questionnaire was forwarded to LAUSD; however, a completed questionnaire was not received during the timeframe of this assessment.

6.2 *Tenant/Occupant*

According to plant manager for San Fernando High School, Mr. Sam Castrellon, the school was built in the late 1940s and opened in the 1950s. The Property area was formerly used as the agricultural center, 4-H program, for the school. This included the caretaking of livestock and flowers. Currently, there is a building used for storage that was previously used as a chicken coop.

Mr. Castrellon stated that there are no hazardous waste and petroleum products, USTs or ASTs, HVAC for the Property structures, containers with unidentified contents, oil or water wells, discharge of wastewater, or environmental problems at the Property.

6.3 *State or Local Government Officials*

According to Mr. Stephen Joe of the City Los Angeles, Department of Water and Power, Engineering Services Division, there is no electrical equipment on the Property or adjacent to the Property that contains PCBs. A copy of this document has been provided in Appendix F.

7.0 Findings

A cursory summary of findings is provided below. However, details were not included or fully developed in this section, and the report must be read in its entirety for a comprehensive understanding of the items contained herein.

- As early as 1927, the Property was agricultural land. In 1938, the Property appeared to be vacant land. By 1947, the Property appeared to be a residential property with a total of two structures. As of 1952, the Property had been combined with the northwest and west adjacent properties as the agricultural center for San Fernando High School. In the 1950s to the mid-1970s, the Property was observed with five to six agriculturally-related structures. The building permits identified a garden storage building, a poultry house, and an agricultural unit that are believed to have been erected on the Property. Later in 1988, the Property was only observed with three structures resembling the Property's current configuration. These structures have been presently identified as a temporary trailer, a storage building, and a portion of the tool shed. The school's plant manager stated that one of the storage buildings was historically used as a chicken coop. No hazardous materials storage was observed in these storage areas.

In addition to these structures, the Property also includes landscaped areas, asphalt-paved areas, and concrete compost bins.

- Records with the LAFD and City of Los Angeles' DPW indicated a historical 5,000-gallon UST for storing diesel and a clarifier connected to the science building that are registered to San Fernando High School, but are not located within the Property boundaries. The UST was removed under regulatory oversight with no contamination noted.
- No adjacent properties were identified in the environmental databases of the EDR Radius Map Report.
- The San Fernando Valley, Area 1 NPL site is located within a one-mile radius of the Property. This groundwater underlying this area has been identified by the EPA as contaminated from PCE, TCE, carbon tetrachloride, and chloroform. Investigations and remedial work are overseen by the EPA. The Property has not been identified as a Potentially Responsible Party.



8.0 Opinion

- The Property's historical agricultural use is a recognized environmental condition (REC).
- The San Fernando High School's former use of a UST is not a REC, based on the physical location, removal, and subsequent closure.
- The adjacent interceptor is not a REC.
- The location of the San Fernando Valley, Area 2 NPL site in relation to the Property is a REC. However, the Property has not been identified as a Potentially Responsible Party and remedial efforts are overseen by the EPA. Therefore, no further assessment is warranted.
- No significant data gaps were identified that affect the ability to the Environmental Professional (EP) to identify RECs. However, historical information regarding the Property was dated as early as 1927 identifying it as agricultural land; therefore, a historical data failure has occurred. It is unlikely that researching additional ASTM resources would yield significant information.
- There are no unusual circumstances where greater certainty is required regarding RECs.



9.0 Conclusions and Recommendations

CONVERSE has performed a Phase I Environmental Site Assessment in general conformance with the scope and limitations of ASTM Practice E1527-05 for the proposed San Fernando High School Teen Health Center, 11133 O'Melveny Avenue, in the unincorporated area (San Fernando) of the City of Los Angeles, Los Angeles County, California. Any exceptions to or deletions from this practice are described in the Limitations and Exceptions of Assessment section of this report. This assessment has revealed no evidence of *recognized environmental conditions* in connection with the *property* except for the following:

- The Property's historical agricultural use.
- The Property's proximity to the San Fernando Valley, Area 2 NPL site.

Based on the findings of this assessment, it appears that the no further assessment is warranted as it relates to the NPL site. A Phase II assessment is being performed in conjunction with this Phase I assessment to evaluate select soils for total petroleum hydrocarbons (TPH), metals, and organochlorine pesticides (OCPs). The Phase II report will be provided by Converse under a separate cover.



10.0 Deviations and Limitations

The following limitations and exceptions were encountered during the course of this assessment:

- An owner questionnaire was submitted to the Los Angeles Unified School District (LAUSD); however, a completed questionnaire was not received during the timeframe of this assessment.
- Historical information regarding the Property was dated as early as 1927 as agricultural land; therefore, a historical data failure has occurred. It is unlikely that researching additional ASTM resources would yield significant information.
- Additional information was requested from the Los Angeles County Department of Health Services; however, a response was not received during the timeframe of this assessment.



11.0 Additional Non-Scope Services

There are environmental issues outside the scope of the ASTM E1527-05 that can be assessed in connection with a commercial real estate transaction. These are dealt with as non-scope considerations since they do not typically present a Superfund Liability. The specific level of inquiry (if any) is defined in the Proposal which contains a Scope of Work. These non-scope services are very client specific and not covered by the ASTM standard. They are frequently related to the business environmental risk which is defined in the standard as “risk which can have a material environmental or environmentally-driven impact on the business associated with the current or planned use of a parcel of commercial real estate...”

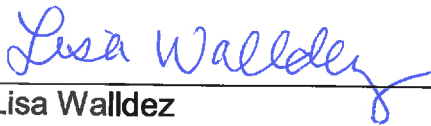
No non-scope issues were addressed in this report.



12.0 Signature of Environmental Professional

I declare that, to the best of my professional knowledge and belief, I meet the definition of *Environmental Professional* as defined in §312.10 of 40 CFR 312.

I have the specific qualifications based on education, training and experience to assess a *property* of the nature, history, and setting of the *subject property*. I have developed and performed the all appropriate inquiries in conformance with the standard and practices set forth in 40 CFR Part 312.



Lisa Walldetz
Staff Environmental Scientist

This Phase I ESA was completed by the above Environmental Professional. A complete list of preparers, and their responsibilities for this assessment, is provided in the following section (Section 13.0, List of Preparers).



13.0 List of Preparers

Norman S. Eke

Managing Officer

B.A., Liberal Studies, Environmental Studies Emphasis, University of California, Santa Barbara, 1988.

Cal/EPA Registered Environmental Assessor I, #05654

Cal/OSHA Certified Asbestos Consultant, #96-2093

NIOSH 582 Equivalent Training

Senior Vice President and Managing Officer of Converse's California Environmental offices. Mr. Eke has served as the Principal-in-Charge and Contract Administrator to deliver services to our various Federal, State, Municipal, Financial, Utility, Educational, Transportation and Private clients. Mr. Eke has 22 years of experience in the fields of Environmental Due Diligence including Phase I and Phase II Environmental Site Assessments, Asbestos surveys/specifications/abatement monitoring, Preliminary Endangerment Assessments and associated Supplemental Site Investigations and Removal Action Work Plans/Implementation, various forms of Remediation, Human Health Risk Assessment and Indoor Air Quality. Current duties include business development, client maintenance, technical review and approval of proposals and reports.

Principal area of responsibility for this ESA report: Project Management, Client Point of Contact, and Quality Assurance/Quality Control and Technical Review.

Lisa Walldetz

Staff Environmental Scientist

B.S., Environmental Toxicology, University of California, Davis, 2005

DPH Certified Lead Inspector/Assessor, #I7343

Ms. Walldetz has 5 years experience in the environmental field. Ms. Walldetz has extensive experience with Transaction Screen Process (TSPs) Reports and Phase I Environmental Site Assessments (ESAs) on vacant, commercial, residential, and industrial properties throughout California. Ms. Walldetz has written Phase II ESA scoping documents and proposals, Remedial Action Workplans (RAWs), Removal Action Completion Reports (RACRs), and Phase II ESA reports. In addition, Ms. Walldetz has conducted risk assessments and completed Human Health Screening Evaluations (HSSEs), as well as performed methane monitoring at several schools under the oversight of a local school district and the Department of Toxic Substances Control.



Principal area of responsibility for this ESA report: Project Management, Historical Research, Regulatory Agency Interaction, Property Reconnaissance, Interviews, and Report Generation.



14.0 References

California Department of Conservation, Division of Oil and Gas and Geothermal Resources, Regional Draft Wildcat Map W1-2, Los Angeles and Ventura Counties, February 26, 2004.

California Department of Forestry and Fire Protection, Office of State Fire Marshall, Pipeline Safety Division, Request for Information, January 2011.

California Environmental Protection Agency (Cal/EPA), Department of Toxic Substances Control, Cypress Office, Request for Information, January/March 2011.

Cal/EPA, Los Angeles Regional Water Quality Control Board, Request for Information, January/March 2011.

Environmental Data Resources (EDR), Inc., Aerial Photograph Review, February 2011.

Environmental Data Resources (EDR), Inc., City Directory Abstract, February 2011.

EDR, Inc., EDR-Radius Map Report, February 2011.

EDR, Inc., Request for Sanborn Map, February 2011.

Los Angeles, City of, Building and Safety Department, Building Permit Review, February/March 2011.

Los Angeles, City of, Department of Public Works, Bureau of Sanitation, Information Request, January 2011.

Los Angeles County Fire Department, Risk Management Plan, Request for Information, December 1999.

Los Angeles County, Department of Health Services, Public Health Investigation, Request for Information, January/March 2011.

Los Angeles County, Department of Public Works, Environmental Programs, File Review, January/March 2011

Los Angeles County, Department of Public Works, Hydrologic Records, Personal Communication, January 2011.

Sam Castrellon, Property Plant Manager, Personal Communication, February 2011.
South Coast Air Quality Management District, FIND database search, March 2011.



United States Geological Survey, 7.5-Minute Topographic Quadrangle, Pacoima, 1927.

United States Geological Survey, 7.5-Minute Topographic Quadrangle, San Fernando, 1947, 1953, 1966, Photorevised 1972, Photorevised 1988, and Photorevised 1995.

Upper Los Angeles River Area Watermaster, Groundwater Contour Map in the Upper Los Angeles River Area Basins – Spring 2005



**Application for
Authorization to Use**

Appendix A





Converse Consultants

Geotechnical Engineering, Environmental & Groundwater Science, Inspection & Testing Services

Application for Authorization to Use

TO: CONVERSE CONSULTANTS
222 East Huntington Drive, Suite 211
Monrovia, California 91016

Project Title & Date: _____

Project Address: _____

FROM: (Please identify name & address of person/entity applying for permission to use the referenced report.)

Applicant _____ hereby applies for permission to use
the referenced report in order to:

Applicant wishes or needs to use the referenced report because:

Applicant also understands and agrees that the referenced document is a copyrighted document and shall remain the sole property of CONVERSE CONSULTANTS. Unauthorized use or copying of the report is strictly prohibited without the express written permission of CONVERSE CONSULTANTS. *Applicant* understands and agrees that CONVERSE CONSULTANTS may withhold such permission at its sole discretion, or grant such permission upon agreement to Terms and Conditions, such as the payment of a re-use fee, amongst others.

Applicant Signature: _____

Applicant Name (print): _____

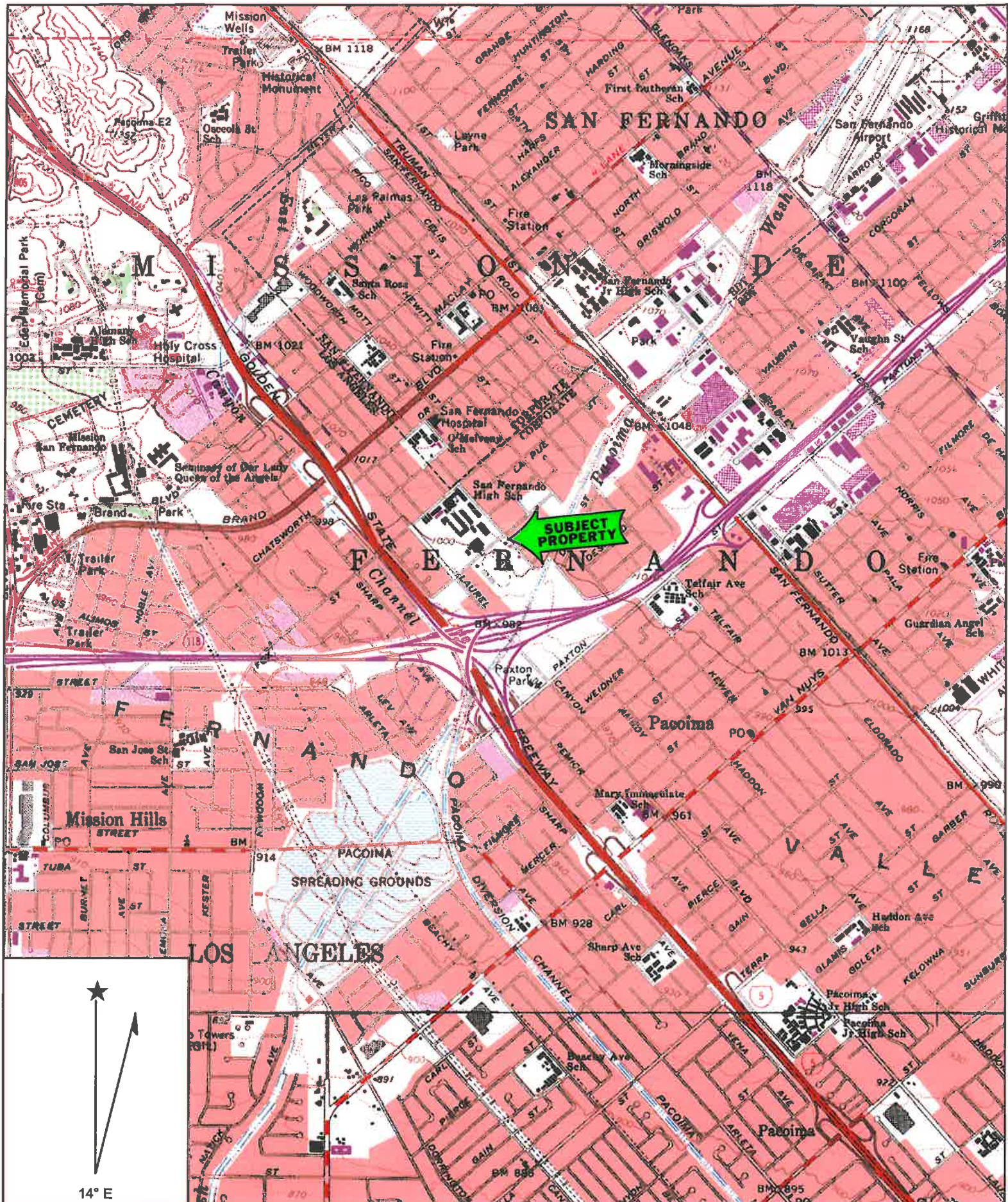
Title: _____

Date: _____



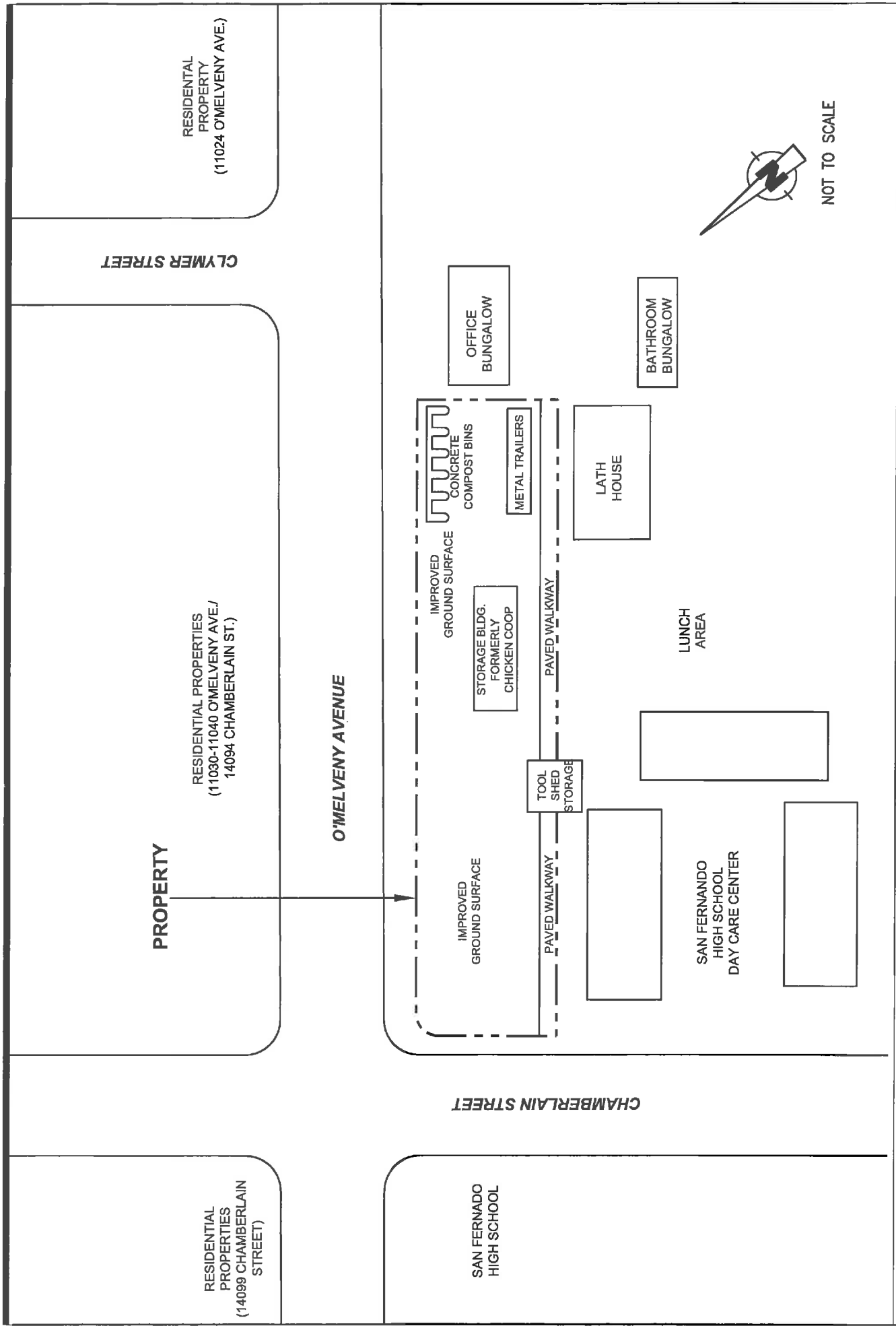
Appendix B





Name: SAN FERNANDO
 Date: 3/16/2011
 Scale: 1 inch equals 2000 feet

Location: 034° 16' 05.6" N 118° 26' 23.3" W
 Caption: Figure 2
 Converse Consultants Project No. 10-41-282-01



PROPERTY MAP

PROPOSED SAN FERNANDO
TEEN HEALTH CENTER
11133 O'MELVENY AVENUE
SAN FERNANDO, CALIFORNIA

Converse Consultants



Project No.
10-41-282-01

Figure No.

**Pertinent Property
Photographs**

Appendix C





View of the landscaped area of the Property at the northeastern corner looking south.



View of the southern portion of the Property looking north.



View of the southern portion of the Property looking south which includes improved land, the concrete compost bins, and storage building.



View of the storage in the metal trailer in the southern portion of the Property.



View of a storage building formerly used as chicken coop.



View of the tool shed that straddles the Property's west boundary and west adjacent property.



Interior view of the storage building.



Storage observed in the tool shed.

City Directory Abstract

Appendix D



Bernards/San Fernando HS Teen Health Ctr

11133 OMelveny Avenue
San Fernando, CA 91340

Inquiry Number: 2985452.6
February 18, 2011

The EDR-City Directory Abstract



Environmental Data Resources Inc

440 Wheelers Farms Road
Milford, CT 06461
800.352.0050
www.edrnet.com

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Thank you for your business.

Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Abstract is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Abstract includes a search and abstract of available city directory data. For each address, the directory lists the name of the corresponding occupant at five year intervals.

Business directories including city, cross reference and telephone directories were reviewed, if available, at approximately five year intervals for the years spanning 1920 through 2006. This report compiles information gathered in this review by geocoding the latitude and longitude of properties identified and gathering information about properties within 660 feet of the target property.

A summary of the information obtained is provided in the text of this report.

RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. An "X" indicates where information was identified in the source and provided in this report.

<u>Year</u>	<u>Source</u>	<u>TP</u>	<u>Adjoining</u>	<u>Text Abstract</u>	<u>Source Image</u>
2006	Haines Company	-	-	-	-
2004	Haines Company	X	X	X	-
2003	Haines & Company	-	-	-	-
2001	Haines & Company, Inc.	-	-	-	-
2000	Haines & Company	-	-	-	-
1999	Haines Company	-	-	-	-
1996	GTE	-	-	-	-
1995	Pacific Bell	X	X	X	-
1992	PACIFIC BELL WHITE PAGES	-	-	-	-
1991	Pacific Bell	X	X	X	-
1990	Pacific Bell	-	-	-	-
1986	Pacific Bell	-	-	-	-
1985	Pacific Bell	X	X	X	-
1981	Pacific Telephone	-	-	-	-
1980	Pacific Telephone	X	X	X	-
1976	Pacific Telephone	-	-	-	-
1975	Pacific Telephone	X	X	X	-
1972	R. L. Polk & Co.	-	-	-	-
1971	Pacific Telephone	-	-	-	-
1970	Pacific Telephone	X	X	X	-
1969	Pacific Telephone	-	-	-	-
1967	Pacific Telephone	-	-	-	-
1966	Pacific Telephone	-	-	-	-
1965	Pacific Telephone	-	-	-	-
1964	Pacific Telephone	-	-	-	-

EXECUTIVE SUMMARY

<u>Year</u>	<u>Source</u>	<u>TP</u>	<u>Adjoining</u>	<u>Text Abstract</u>	<u>Source Image</u>
1963	Pacific Telephone	-	-	-	-
1962	Pacific Telephone	X	X	X	-
1961	R. L. Polk & Co.	-	-	-	-
1960	General Telephone Company Publishers	-	-	-	-
1958	Pacific Telephone	-	-	-	-
1957	Pacific Telephone	-	-	-	-
1956	Pacific Telephone	X	X	X	-
1955	Home Directory Service	-	-	-	-
1954	R. L. Polk & Co.	-	-	-	-
1952	Los Angeles Directory Co.	-	-	-	-
1951	Pacific Directory Co.	-	-	-	-
1950	Pacific Telephone	-	X	X	-
1949	Los Angeles Directory Co.	-	-	-	-
1948	Associated Telephone Company, Ltd.	-	-	-	-
1947	Los Angeles Directory Co.	-	-	-	-
1946	Western Directory Co.	-	-	-	-
1945	The Glendale Directory Co.	-	-	-	-
1944	R. L. Polk & Co.	-	-	-	-
1942	Los Angeles Directory Co.	-	-	-	-
1940	Los Angeles Directory Co.	-	X	X	-
1939	Los Angeles Directory Co.	-	-	-	-
1938	Los Angeles Directory Co.	-	-	-	-
1937	Los Angeles Directory Co.	-	-	-	-
1936	Los Angeles Directory Co.	-	-	-	-
1935	Los Angeles Directory Co.	-	-	-	-
1934	Los Angeles Directory Co.	-	-	-	-
1933	Los Angeles Directory Co.	-	-	-	-
1932	Los Angeles Directory Co.	-	-	-	-
1931	Los Angeles Directory Co.	-	-	-	-
1930	Los Angeles Directory Co.	-	X	X	-
1929	Los Angeles Directory Co.	-	-	-	-
1928	Los Angeles Directory Co.	-	-	-	-
1927	Kaasen Directory Company Publishers	-	-	-	-
1926	Los Angeles Directory Co.	-	X	X	-
1925	Los Angeles Directory Co.	-	-	-	-
1924	Los Angeles Directory Co.	-	X	X	-
1923	Los Angeles Directory Co.	-	-	-	-
1921	Los Angeles Directory Co.	-	-	-	-
1920	Los Angeles Directory Co.	-	-	-	-

EXECUTIVE SUMMARY

SELECTED ADDRESSES

The following addresses were selected by the client, for EDR to research. An "X" indicates where information was identified.

<u>Address</u>	<u>Type</u>	<u>Findings</u>
14099 Chamberlain Street	Client Entered	X
14094 Chamberlain Street	Client Entered	X
11040 O Melveny Avenue	Client Entered	
11030 O Melveny Avenue	Client Entered	
11024 O Melveny Avenue	Client Entered	

FINDINGS

TARGET PROPERTY INFORMATION

ADDRESS

11133 OMelveny Avenue
San Fernando, CA 91340

FINDINGS DETAIL

Target Property research detail.

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2004	MISSION HIGH SCHOOL	Haines Company
	OPPORTUNITY AT	Haines Company
	SANFRNDO HIGH	Haines Company
	SCHOOL	Haines Company
1995	Infant Learning Center	Pacific Bell
	Kennedy San Fernando Community Adult School	Pacific Bell
	Mission High School	Pacific Bell
	Opportunity At San Fernando High	Pacific Bell
	San Fernando Adult Campus	Pacific Bell
	YW CA Of Los Angeles	Pacific Bell
1991	Evenings	Pacific Bell
	Infant Learning Center	Pacific Bell
	Mission High School	Pacific Bell
	Opportunity At San Fernando High	Pacific Bell
	Opportunity House Inc GHIs	Pacific Bell
	San Fernando Adult Campus	Pacific Bell
	San Fernando High School	Pacific Bell
1985	Infant Learning Center	Pacific Bell
	Mission High School	Pacific Bell
	Opportunity At San Fernando High	Pacific Bell
	San Fernando High School	Pacific Bell
1980	MISSION HIGH SCHOOL SAN FERNANDO	Pacific Telephone
	OPPORTUNITY AT SAN FERNANDO HIGH SAN FERNANDO	Pacific Telephone
	SAN FERNANDO HIGH SCHOOL	Pacific Telephone
	YWCA	Pacific Telephone
1975	Adult Evening School	Pacific Telephone
	Day High School	Pacific Telephone
	Mission High School	Pacific Telephone

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1975	Opportunity At San Fernando High	Pacific Telephone
1970	SAN FERNANDO HIGH SCHOOL-	Pacific Telephone
1962	SAN FERNANDO HIGH SCHOOL	Pacific Telephone
	SAN FERNANDO HIGH SCHOOL ADULT EVENING SCHOOL	Pacific Telephone
	SAN FERNANDO HIGH SCHOOL AGRICULTURE	Pacific Telephone
1956	L A STATE COLLEGE SAN FERNANDO	Pacific Telephone
	SAN FERNANDO HIGH SCHOOL	Pacific Telephone
	SAN FERNANDO HIGH SCHOOL ADULT EVENING SCHOOL	Pacific Telephone
	SAN FERNANDO HIGH SCHOOL AGRICULTURE	Pacific Telephone

FINDINGS

ADJOINING PROPERTY DETAIL

The following Adjoining Property addresses were researched for this report. Detailed findings are provided for each address.

AMBOY

11114 AMBOY

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1930	Clampitt H C	Los Angeles Directory Co.

AMBOY AVE

11126 AMBOY AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1991	Galvan Rosario P	Pacific Bell

CHAMBERLAIN ST

14073 CHAMBERLAIN ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2004	OFUJIMOTO Tom	Haines Company
1962	FUJIMOTO TOM	Pacific Telephone
1956	FUJIMOTO TOM	Pacific Telephone

14074 CHAMBERLAIN ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2004	CRUZCarlos	Haines Company
1980	TORRES JAMIE C	Pacific Telephone
1970	CORONA JIM	Pacific Telephone
	CORONA JIM	Pacific Telephone
1962	HICKS ALICE M	Pacific Telephone
	HICKS PAUL V CONTR	Pacific Telephone
1956	HICKS PAUL V CONTR	Pacific Telephone

14075 CHAMBERLAIN ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1970	RICHARDSON JAS C	Pacific Telephone
	RICHARDSON JAS C	Pacific Telephone
1962	RICHARDSON JAS C	Pacific Telephone
1956	RICHARDSON JAS C	Pacific Telephone

FINDINGS

14078 CHAMBERLAIN ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2004	VELIS Louis	Haines Company
1980	VELIS J	Pacific Telephone
	VELIS LOUIS	Pacific Telephone
1970	VELIS LOUIS	Pacific Telephone
	VELIS LOUIS	Pacific Telephone
1962	VELIS LOUIS	Pacific Telephone
1956	VELIS LOUIS	Pacific Telephone
1950	SCHNEIDER PETER G PAINTNG	Pacific Telephone
	SCHNEIDER PETER G PAINTNG	Pacific Telephone

14080 CHAMBERLAIN ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2004	FARFANAraceli	Haines Company
	CASAS Nora	Haines Company
1980	ONOFRE HUMBERTO	Pacific Telephone
1962	HULME EVANGELINE B	Pacific Telephone
1950	SIME LAWRENCE H	Pacific Telephone
	SIME LAWRENCE H	Pacific Telephone

14091 CHAMBERLAIN ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1956	HERRERA STEVE R	Pacific Telephone
1950	HERRERA ESTEVAN R	Pacific Telephone
	HERRERA ESTEVAN R	Pacific Telephone

14094 CHAMBERLAIN ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1970	COHEA WAYNE D	Pacific Telephone
	COHEA WAYNE D	Pacific Telephone
1962	COHEA WAYNE D	Pacific Telephone
1956	COHEA WAYNE D R	Pacific Telephone
1950	COHEA WAYNE D R	Pacific Telephone
	COHEA WAYNE D R	Pacific Telephone

14099 CHAMBERLAIN ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2004	OALCORTAJacobo	Haines Company
1962	MUNOZ LEONARD	Pacific Telephone
1950	FONDA WM S R	Pacific Telephone

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1950	FONDA WM S R	Pacific Telephone

14154 CHAMBERLAIN ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1950	TWEEDY CARLA R	Pacific Telephone
	TWEEDY CARLA R	Pacific Telephone

Chamberlain Street

14094 Chamberlain Street

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1970	COHEA WAYNE D	Pacific Telephone
	COHEA WAYNE D	Pacific Telephone
1962	COHEA WAYNE D	Pacific Telephone
1956	COHEA WAYNE D R	Pacific Telephone
1950	COHEA WAYNE D R	Pacific Telephone
	COHEA WAYNE D R	Pacific Telephone

14099 Chamberlain Street

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2004	OALCORTAJacobo	Haines Company
1962	MUNOZ LEONARD	Pacific Telephone
1950	FONDA WM S R	Pacific Telephone
	FONDA WM S R	Pacific Telephone

DAUBERT ST

14080 DAUBERT ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2004	FIGUEROA Jose Luis	Haines Company
1980	FIGUEROA PAULINO	Pacific Telephone
	FIGUEROA GABRIELA	Pacific Telephone
1970	ALVAREZ RITA	Pacific Telephone
	ALVAREZ RITA	Pacific Telephone
1962	ALVAREZ RITA	Pacific Telephone
1956	GUCKES HENRY	Pacific Telephone

14081 DAUBERT ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2004	8 PEREZ Rio	Haines Company

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1980	MARTINEZ MARIA P	Pacific Telephone
1970	MARTINEZ MARIE P	Pacific Telephone
	MARTINEZ MARIE P	Pacific Telephone
1962	MARTINEZ MARIE P	Pacific Telephone
1956	BACA MIGUEL MRS	Pacific Telephone

14084 DAUBERT ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2004	OCHOA Francisco	Haines Company
1980	RODRIQUEZ C	Pacific Telephone
1970	TORRES JESS	Pacific Telephone
	TORRES JESS	Pacific Telephone

14085 DAUBERT ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2004	TORRES Esperanza	Haines Company
1980	TORRES ROBT	Pacific Telephone
1970	TORRES ROBT	Pacific Telephone
	TORRES ROBT	Pacific Telephone
1962	TORRES ROBT	Pacific Telephone
1956	CALZADA FRANK E	Pacific Telephone

14090 DAUBERT ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2004	ENRIQUEZD	Haines Company
	6 ENRIQUEZA	Haines Company
1970	VILLASANA ANTONIO	Pacific Telephone
	VILLASANA ANTONIO	Pacific Telephone
1956	MENDEZ RUDY	Pacific Telephone

14091 DAUBERT ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2004	PIMENTELJohn	Haines Company
1980	ESQUEDA LUPE SAN FERNANDO	Pacific Telephone
1970	ESQUEDA LUPE	Pacific Telephone
	ESQUEDA LUPE	Pacific Telephone
1962	ESQUEDA LUPE	Pacific Telephone
1956	ESQUEDA LUPE	Pacific Telephone

FINDINGS

14094 DAUBERT ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2004	MEZALeticia	Haines Company
1962	FREDRICKSON BURNETTA W MRS	Pacific Telephone
1956	FREDRICKSON BURNETTA MRS R	Pacific Telephone
	FREDRICKSON MONA R	Pacific Telephone
1950	FREDRICKSON MONA R	Pacific Telephone
	FREDRICKSON BURNETTA MRS R	Pacific Telephone
	FREDRICKSON BURNETTA MRS R	Pacific Telephone
	FREDRICKSON MONA R	Pacific Telephone

14106 DAUBERT ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2004	SALCEDO Ricardo	Haines Company
1980	SALCEDO RICARDO	Pacific Telephone
1970	SALCEDO RICARDO	Pacific Telephone
	SALCEDO RICARDO	Pacific Telephone
1962	LEONARD JAS G	Pacific Telephone

14107 DAUBERT ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2004	SANDOVALAngel	Haines Company
1980	SANDOVAL ANGEL	Pacific Telephone
1970	SANDOVAL ANGEL	Pacific Telephone
	SANDOVAL ANGEL	Pacific Telephone

14110 DAUBERT ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2004	BARRAGAN Pedro	Haines Company
1980	FALCON DAMIAN G	Pacific Telephone
	TAPIA DIANE	Pacific Telephone
1970	ALCANTAR JOE I	Pacific Telephone
	FALCON DAMIAN G	Pacific Telephone
	ALCANTAR JOE I	Pacific Telephone
	FALCON DAMIAN G	Pacific Telephone
1962	BEAMS IRWIN E	Pacific Telephone
1956	BEAMS IRWIN E R	Pacific Telephone
1950	BEAMS IRWING E R	Pacific Telephone
	BEAMS IRWING E R	Pacific Telephone

FINDINGS

14110 1/2 DAUBERT ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1980	GONZALEZ CELERINO	Pacific Telephone

14111 DAUBERT ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2004	8 LARAJorge	Haines Company
1980	SANTIAGO MARGIE	Pacific Telephone
1962	ORTIZ ROBT	Pacific Telephone
1956	FLORES MANUEL D R SAN FERNANDO	Pacific Telephone

14117 DAUBERT ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2004	SANCHEZSabas	Haines Company
1956	ELZEY KENNETH R R	Pacific Telephone

14120 DAUBERT ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2004	SANCHEZIvan	Haines Company
	CARRERA Olivia	Haines Company
1980	HURTADO JOSE G	Pacific Telephone
	PORTILLO LYDLA SAN FERNANDO	Pacific Telephone

14121 DAUBERT ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2004	OLEGASPIJuan	Haines Company
	GUTIERREZGloria	Haines Company
1980	MONREAL TONY	Pacific Telephone
1970	ISAAC ERNEST	Pacific Telephone
	ISAAC ERNEST	Pacific Telephone
1962	ISAAC ERNEST	Pacific Telephone
1956	SMITH ARTHUR	Pacific Telephone
1950	STRAUGHN H S R	Pacific Telephone
	STRAUGHN H S R	Pacific Telephone

14126 DAUBERT ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2004	GODINEZ R	Haines Company

FINDINGS

14127 DAUBERT ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2004	LEGASPI Letcla	Haines Company
	OLEGASPI Oscar	Haines Company
1980	LEGASPI LATICIA	Pacific Telephone
1956	HENDERSON LA VERDA R	Pacific Telephone

14131 DAUBERT ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2004	GOMEZMichael Roy	Haines Company
1980	GOMEZ JOHN A	Pacific Telephone
1970	RAMIREZ PETER	Pacific Telephone
	RAMIREZ PETER	Pacific Telephone
1950	JONES LEE ROY R	Pacific Telephone
	JONES LEE ROY R	Pacific Telephone

14136 DAUBERT ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2004	8 ACOSTAJose	Haines Company
1962	PEDERSEN EDW F	Pacific Telephone
1950	PEDERSEN OSCAR R	Pacific Telephone
	PEDERSEN OSCAR R	Pacific Telephone

14137 DAUBERT ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2004	GONZALEZAbel	Haines Company
1980	SOLEM GUNDER	Pacific Telephone
1970	SOLEM GUNDER	Pacific Telephone
	SOLEM GUNDER	Pacific Telephone
1962	SOLEM GUNDER	Pacific Telephone
1956	SOLEM GUNDER R	Pacific Telephone
1950	SOLEM GUNDER R	Pacific Telephone
	SOLEM GUNDER R	Pacific Telephone

14140 DAUBERT ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2004	Antonlela	Haines Company
	VASQUEZ Marda	Haines Company
1962	SONG DANL	Pacific Telephone
1956	SONG DANL R	Pacific Telephone

FINDINGS

14141 DAUBERT ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2004	PANIAOUAJaime	Haines Company
	ALVERADOD	Haines Company
1980	DIXON CLARENCE C	Pacific Telephone
1970	DIXON CLARENCE C	Pacific Telephone
	DIXON CLARENCE C	Pacific Telephone
1962	DIXON CLARENCE C	Pacific Telephone
1956	DIXON CLARENCE C	Pacific Telephone
1950	DIXON CLARENCE C R	Pacific Telephone
	DIXON CLARENCE C R	Pacific Telephone

14148 DAUBERT ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2004	CARDENAS Rafael	Haines Company
1980	DIAZ ELLEGO P	Pacific Telephone
1970	MONREAL TONY	Pacific Telephone
	MONREAL TONY	Pacific Telephone

14149 DAUBERT ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2004	SJIMENEZJuana	Haines Company
1980	CARRASCO RAMON	Pacific Telephone
1970	BURMEISTER CHAS F	Pacific Telephone
	BURMEISTER CHAS F	Pacific Telephone

FOX AVE

14076 FOX AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1930	Woods J HI	Los Angeles Directory Co.

14100 FOX AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1930	Burger Ruth	Los Angeles Directory Co.

711 FOX AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1926	Vacant	Los Angeles Directory Co.

FINDINGS

FOX ST

14144 FOX ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2004	CABEZAS Omar	Haines Company
1962	CARRILLO EMILIO	Pacific Telephone
1956	CARRILLO OSCAR R	Pacific Telephone
1950	CARRILLO OSCAR R	Pacific Telephone
	CARRILLO OSCAR R	Pacific Telephone

14156 FOX ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2004	MASAMITSU Tom	Haines Company
1962	MASAMITSU TOM	Pacific Telephone
1956	MASAMITSU TOM	Pacific Telephone

14160 FOX ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2004	HOAG Hanna	Haines Company
1962	ARIZO MAX	Pacific Telephone
1956	ARIZO MAX	Pacific Telephone

14166 FOX ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2004	ARIZO Alyce	Haines Company

14170 FOX ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2004	ESCOBEDO Heraclio	Haines Company
	JIMENEZ Estela	Haines Company
1962	CROSSER MARJORIE L	Pacific Telephone
1956	WARE GEORGIE R	Pacific Telephone
1950	WARE GEORGIE R	Pacific Telephone
	WARE GEORGIE R	Pacific Telephone

14204 FOX ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2004	SELWOOD Jim	Haines Company
	/11 CERVANTEZ Juan	Haines Company
1970	ELWOOD JAS CONTR	Pacific Telephone
	ELWOOD JAS CONTR	Pacific Telephone

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1962	ELWOOD JAS CONTR	Pacific Telephone
1956	ELWOOD JAS CONTR	Pacific Telephone

14208 FOX ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2004	SELAYAMarcos	Haines Company
1956	PINE BETTY MRS	Pacific Telephone
1950	PINE BETTY MRS R	Pacific Telephone
	PINE BETTY MRS R	Pacific Telephone

14212 FOX ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2004	ROMERORamiro	Haines Company
1956	LOPEZ REYNALDO A	Pacific Telephone

14218 FOX ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2004	YRIBERaul	Haines Company
1962	YRIBE MANUEL	Pacific Telephone

701 FOX ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1962	ALONZO GREGORIO	Pacific Telephone

707 FOX ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1962	AID G J	Pacific Telephone
1956	AID G J	Pacific Telephone

717 FOX ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1962	ROSELL R A	Pacific Telephone
1956	ROSELL R A R	Pacific Telephone
1950	ROSELL R A R	Pacific Telephone
	ROSELL R A R	Pacific Telephone

LA RUE ST

14100 LA RUE ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2004	VASQUEZAudrey B	Haines Company

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1995	Vasquez Audrey B	Pacific Bell
1991	Vasquez Alfonso J	Pacific Bell
1985	Vasquez Alfonso J	Pacific Bell
1980	VASQUEZ ALFONSO J	Pacific Telephone
1975	Vasquez Alfonso J	Pacific Telephone
1970	VASQUEZ ALFONSO J	Pacific Telephone
	VASQUEZ ALFONSO J	Pacific Telephone

14101 LA RUE ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2004	ARAGON Helen	Haines Company
1975	Aragon M	Pacific Telephone
1962	ARAGON FRANK E	Pacific Telephone
1956	ARAGON FRANK E	Pacific Telephone

14102 LA RUE ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2004	GARCIA Reyes	Haines Company
1991	Wang Oswaldo	Pacific Bell
1962	HAAG GENE	Pacific Telephone
1956	HAAG GENE R	Pacific Telephone
1950	HAAG LOIS MRS R	Pacific Telephone
	HAAG LOIS MRS R	Pacific Telephone

14105 LA RUE ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2004	NATIVIDADLila	Haines Company
1991	Natkin Robert Rick	Pacific Bell
	Natkin M	Pacific Bell
	Natividad Vincent	Pacific Bell
1985	Natividad Vincent	Pacific Bell
1980	NATIVIDAD VINCENT SAN FERNANDO	Pacific Telephone
1975	Natividad Vincent	Pacific Telephone
1970	NATIVIDAD VICENTE	Pacific Telephone
	NATIVIDAD VICENTE	Pacific Telephone
1962	NATIVIDAD VICENTE	Pacific Telephone
1956	NATIVIDAD VICENTE	Pacific Telephone

FINDINGS

14110 LA RUE ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2004	GONZALEZ Jose	Haines Company
1970	AVALOS ANITA	Pacific Telephone
	AVALOS ANITA	Pacific Telephone

14111 LA RUE ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2004	CHAVEZ Enrique	Haines Company
1991	Caca IR	Pacific Bell
	Cabuyadao Rogue O	Pacific Bell
1985	Cabuyadao Rogue O	Pacific Bell
	Cacalatta B	Pacific Bell
1980	CABUYADAO ROGUE O	Pacific Telephone
1975	Cabuyadao Rogue O	Pacific Telephone
1970	CABUYADAO ROGUE O	Pacific Telephone
	CABUYADAO ROGUE O	Pacific Telephone
1962	CABUYADAO ROGUE O SAN FERNANDO	Pacific Telephone
1956	CABUYADAO ROGUE O	Pacific Telephone

14114 LA RUE ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2004	MACIAS Peira	Haines Company
1970	YAMANI FRED	Pacific Telephone
	YAMANI FRED	Pacific Telephone
1962	YAMANI FRED	Pacific Telephone
1956	YAMANI FRANK M R	Pacific Telephone

14115 LA RUE ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2004	\$INES Ma S	Haines Company
1956	INES BENJAMITA	Pacific Telephone

14133 LA RUE ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2004	8 DUENAS Lu Is	Haines Company
1980	RUBALCAVA RAMON	Pacific Telephone
1956	VITAL THERESA R	Pacific Telephone
1950	VITAL THERESA R	Pacific Telephone
	VITAL THERESA R	Pacific Telephone

FINDINGS

14136 LA RUE ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2004	GARCIA Marina	Haines Company
1991	Garcia Maintenance Service	Pacific Bell
	GARCIA S TE AM W AY CARPE T CLE AN IN G	Pacific Bell
	Garcia Helen	Pacific Bell
1985	GARCIA S TE AM W AY CARPE T CLE AN IN G	Pacific Bell
1980	GARCIA MAINTENANCE SERSICE	Pacific Telephone
1975	GARCIA MAINTENANCE SERVICE	Pacific Telephone
	Garcia Steam Way Carpet Cleaning	Pacific Telephone
1970	GARCIA MAINTENANCE SERVICE	Pacific Telephone
	GARCIA MAINTENANCE SERVICE	Pacific Telephone
1962	GARCIA MAINTENANCE SERV	Pacific Telephone

14140 LA RUE ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2004	MORALES Margarilo	Haines Company
1995	Follosco La Verne	Pacific Bell
1991	Follosco La Verne	Pacific Bell
	FOLLOW YOUR HE ART	Pacific Bell
1980	FOLLOSCO C I	Pacific Telephone
1975	Follosco C I	Pacific Telephone
1970	FOLLOSCO C I	Pacific Telephone
	FOLLOSCO C I	Pacific Telephone
1962	FOLLOSCO C I	Pacific Telephone
1956	FOLLOSCO C L R	Pacific Telephone
1950	FOLLOSCO C L R	Pacific Telephone
	FOLLOSCO C L R	Pacific Telephone

14141 LA RUE ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2004	SPRADO Delfina	Haines Company
1975	Pedraza John	Pacific Telephone
1962	GARCIA ISAAC R	Pacific Telephone

14142 LA RUE ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2004	DIAZRalsel	Haines Company
1995	Sanchez Enrique P	Pacific Bell

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1991	Paniagua Juan S	Pacific Bell
1985	Figueroa Arturo	Pacific Bell
1980	FIGUEROA ARTURO	Pacific Telephone
1975	Ramirez Jos	Pacific Telephone
1970	RUSH LILLIAN	Pacific Telephone
	RUSH LILLIAN	Pacific Telephone
1962	RUSH LILLIAN	Pacific Telephone
1956	RUSH LILLIAN	Pacific Telephone

14144 LA RUE ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2004	GUTIERREZSeverieano	Haines Company
1995	Gutierrez Severiano	Pacific Bell
1991	Gutierrez Silvia	Pacific Bell
	Gutierrez Silvano	Pacific Bell
	Gutierrez Severiano	Pacific Bell
1985	Gutierrez Severiano	Pacific Bell
1980	GUTIERREZ SEVERIANO	Pacific Telephone
1970	PEREZ ROSALIO	Pacific Telephone
	PEREZ ROSALIO	Pacific Telephone
1962	FLORES RALPH V	Pacific Telephone

14146 LA RUE ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1995	Navarro Enrique	Pacific Bell
1991	Santiago Guadalupe	Pacific Bell
1985	Sosa Juan	Pacific Bell
	Sosa LJ	Pacific Bell
1975	Cervantes Juan	Pacific Telephone
1962	TERAN AMELIA	Pacific Telephone
1956	SANCHEZ FIDEL FLORES	Pacific Telephone

14147 LA RUE ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2004	MENDOZADora	Haines Company
1991	Mendoza Albert R	Pacific Bell
1985	Mendoza Albert R	Pacific Bell
1980	MENDOZA ALBERT R	Pacific Telephone
1975	Mendoza Albert R	Pacific Telephone

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1962	MENDOZA ALBERT R	Pacific Telephone
1956	MENDOZA ALBERT R	Pacific Telephone
1950	RUSSELL HAROLD J R	Pacific Telephone
	RUSSELL HAROLD J R	Pacific Telephone

14148 LA RUE ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1950	EGLEY NEEVA R	Pacific Telephone
	EGLEY NEEVA R	Pacific Telephone

14150 LA RUE ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1985	Ochoa Jesus	Pacific Bell

14151 LA RUE ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2004	SJAUREGUI Carlos	Haines Company
1970	FOLLOSCO FRANCIS C	Pacific Telephone
	FOLLOSCO FRANCIS C	Pacific Telephone
1962	FOLLOSCO FRANCIS C	Pacific Telephone
1956	FOLLOSCO FRANCIS C	Pacific Telephone

14152 LA RUE ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1991	Flores Ramon	Pacific Bell
1975	Oyler Russell W	Pacific Telephone
1970	OYLER RUSSELL W	Pacific Telephone
	OYLER RUSSELL W	Pacific Telephone
1962	OYLER RUSSELL W	Pacific Telephone

14156 LA RUE ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2004	OMENDOZAR	Haines Company
	MENDOZAV	Haines Company
1995	Mendoza R & V	Pacific Bell
1980	DEMSKY C P	Pacific Telephone
1975	Demsky C P	Pacific Telephone
1970	DEMSKY JOE	Pacific Telephone
	DEMSKY JOE	Pacific Telephone
1962	DEMSKY JOE	Pacific Telephone

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1956	DEMSKY JOE R	Pacific Telephone
1950	DEMSKY JOE R	Pacific Telephone
	DEMSKY JOE R	Pacific Telephone

14157 LA RUE ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2004	SRODRIGUEZJess	Haines Company
1962	PHILLIPS CLYDE W	Pacific Telephone
1956	PHILLIPS CLYDE W	Pacific Telephone

14160 LA RUE ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2004	MENDOZASleven	Haines Company
	MENDOZAV	Haines Company

14161 LA RUE ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2004	HANNEMANN Moroni	Haines Company
1970	GOMEZ JOHN A	Pacific Telephone
	GOMEZ JOHN A	Pacific Telephone

14166 LA RUE ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2004	DEAROEspnzas	Haines Company
1975	Dearo Matias O	Pacific Telephone
1962	DEARO MATIAS	Pacific Telephone
1956	DEARO MATIAS	Pacific Telephone

14167 LA RUE ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2004	SOTELOAnna	Haines Company
1970	IBRAO ISIDRO I	Pacific Telephone
	IBRAO ISIDRO I	Pacific Telephone
1962	VERDUGO JAS V	Pacific Telephone
1956	VERDUGO JAS V R	Pacific Telephone
1950	VERDUGO JAS V R	Pacific Telephone
	VERDUGO JAS V R	Pacific Telephone

FINDINGS

14170 LA RUE ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2004	FUNTESTS Antonio	Haines Company
	GOMEZAurelia	Haines Company
1962	ESPINOZA JAS A	Pacific Telephone
1956	TAPIA THEO	Pacific Telephone

14171 LA RUE ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1956	MENDIAS FRANK	Pacific Telephone

14177 LA RUE ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2004	SMALDONADORulh	Haines Company
1995	Julio Teresa	Pacific Bell
1975	Barragan M R	Pacific Telephone
1970	BARRAGAN RAOUL E	Pacific Telephone
	BARRAGAN RAOUL E	Pacific Telephone
1962	BARRAGAN RAOUL E	Pacific Telephone
1956	BARRAGAN RAOUL E R	Pacific Telephone
1950	BARRAGAN RAOUL E R	Pacific Telephone
	BARRAGAN RAOUL E R	Pacific Telephone

14178 LA RUE ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2004	SRAZOFrances	Haines Company
	HERNANDEZJess	Haines Company
1995	Hernandez Jess	Pacific Bell
1980	HERNANDEZ JESS	Pacific Telephone
1975	Hernandez Jess	Pacific Telephone

OMELVENY

600 OMELVENY

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1991	Parra G	Pacific Bell
	Parra Frank M	Pacific Bell

606 OMELVENY

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1991	Pantola Guadalupe	Pacific Bell

FINDINGS

613 OMELVENY

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1991	Raiygoza Ronald Dean	Pacific Bell
1924	Tuttle Chas V meat ctr h	Los Angeles Directory Co.

614 OMELVENY

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1930	Vacant	Los Angeles Directory Co.

615 OMELVENY

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1930	Vacant	Los Angeles Directory Co.

617 OMELVENY

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1991	Tories Bonilla Inez	Pacific Bell

618 OMELVENY

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1930	Thomas Sheldon	Los Angeles Directory Co.

625 OMELVENY

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1991	7869833 Garcia Haximino	Pacific Bell

629 OMELVENY

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1930	Mayfield Richd	Los Angeles Directory Co.

633 OMELVENY

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1930	Vacant	Los Angeles Directory Co.

OMELVENY AVE

11070 OMELVENY AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2004	MUNOZ Bety	Haines Company
1995	Munoz Betty	Pacific Bell
1991	Munoz Betty	Pacific Bell
1980	MUNOZ BETTY	Pacific Telephone
1975	Munoz Betty	Pacific Telephone

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1970	MUNOZ LEONARD SAN FERNANDO	Pacific Telephone
	MUNOZ LEONARD SAN FERNANDO	Pacific Telephone

11080 OMELVENY AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2004	OMEDRANO Ramon	Haines Company
1995	Medrano Ramon	Pacific Bell
1980	MEDRANO REMON	Pacific Telephone
1975	Medrano Ramon	Pacific Telephone
1970	MEDRANO RAMON	Pacific Telephone
	MEDRANO RAMON	Pacific Telephone
1962	MEDRANO RAMON	Pacific Telephone

600 OMELVENY AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2004	PARRAFrank M	Haines Company
1985	Parra Frank M	Pacific Bell
1980	PARRA FRANK M	Pacific Telephone
1975	Parra Frank M	Pacific Telephone
1970	PARRA FRANK M	Pacific Telephone
	PARRA FRANK M	Pacific Telephone
1962	PARRA FRANK M	Pacific Telephone
1956	PARRA FRANK M	Pacific Telephone

601 OMELVENY AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2004	MONTOYAJoselfna	Haines Company
	TLALOCJulian	Haines Company
1962	GALVOND ROSE MRS	Pacific Telephone
1956	GALVOND ROSE MRS R	Pacific Telephone

606 OMELVENY AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2004	PANTOJAGuada lupe	Haines Company
1985	Pantoja Guadalupe	Pacific Bell
1980	PANTOLA GUADALUPE	Pacific Telephone
1975	Pantoja Guadalupe	Pacific Telephone
1970	PANTOJA GUADALUPE	Pacific Telephone
	PANTOJA GUADALUPE	Pacific Telephone

FINDINGS

607 OMELVENY AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2004	VARGAS Daniel	Haines Company
1970	CABICO EUGENE	Pacific Telephone
	CABICO EUGENE	Pacific Telephone
1962	CABICO EUGENE	Pacific Telephone
1956	CABICO EUGENE	Pacific Telephone

612 OMELVENY AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2004	DELEONMlguel	Haines Company
1985	Amezcu a Dan I	Pacific Bell
1980	AMEZCUA DAN I	Pacific Telephone
1970	PRATT MABEL D	Pacific Telephone
	PRATT MABEL D	Pacific Telephone
1962	PRATT MABEL D	Pacific Telephone

613 OMELVENY AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2004	SRAIYGOZAO felia	Haines Company
1970	MACIAS ENRIQUE	Pacific Telephone
	MACIAS ENRIQUE	Pacific Telephone

614 OMELVENY AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2004	AMEZCUA Eslela	Haines Company
	VILCHISA malia	Haines Company

617 OMELVENY AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2004	MERCADO Maria C	Haines Company
	CARRILLO Rogelio	Haines Company
1985	Torres C	Pacific Bell
	Tones C	Pacific Bell
	Torres Bonilla Inez	Pacific Bell
1980	TORRES BONILLA INEZ	Pacific Telephone
1975	Torres Maria	Pacific Telephone
1962	MARTINEZ TERESA	Pacific Telephone
1956	MARTINEZ TERESA R	Pacific Telephone
1950	MARTINEZ TERESA R	Pacific Telephone
	MARTINEZ TERESA R	Pacific Telephone

FINDINGS

618 OMELVENY AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2004	MONTERO Benjamin	Haines Company

622 OMELVENY AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2004	BRAMBILAGabriela	Haines Company
	ESTRADA Augustline	Haines Company
1985	Araiza Adam	Pacific Bell
1980	ARAIZA ADAM	Pacific Telephone
	ARAIZA ADAM	Pacific Telephone
1975	Araiza Adam	Pacific Telephone
1962	CASTRO JULIAN	Pacific Telephone
1956	ARAIZA ADAM R	Pacific Telephone
1950	ARAIZA ADAM R	Pacific Telephone
	ARAIZA ADAM R	Pacific Telephone

623 OMELVENY AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2004	SGONZALES Raul	Haines Company
1962	RAMIREZ SERAFINE	Pacific Telephone

625 OMELVENY AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2004	GARCIA Maximino	Haines Company
1985	Garcia Maximino	Pacific Bell
1980	GARCIA MAXIMINO	Pacific Telephone
1975	Garcia Maximino	Pacific Telephone
1970	GARCIA MAXIMILNO	Pacific Telephone
	GARCIA MAXIMILNO	Pacific Telephone
1962	GARCIA MAXIMINO	Pacific Telephone
1956	WALES CLAUDE M	Pacific Telephone

626 OMELVENY AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2004	NUNEZ Esequiel	Haines Company
	HERNANDEZ Apolonio	Haines Company
1985	Nunec Esequiel	Pacific Bell
	Nunenmacher DA	Pacific Bell
1980	HERNANDEZ MARIA	Pacific Telephone
1975	Nunec Esequiel	Pacific Telephone

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1956	TSUNETAY DEY	Pacific Telephone

631 OMELVENY AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2004	GALAVIZ Noe	Haines Company
1985	Galaviz Lydia	Pacific Bell
1975	Tovsen Ted	Pacific Telephone
1970	ATKINS HERSHELL S	Pacific Telephone
	ATKINS HERSHELL S	Pacific Telephone
1962	ATKINS HERSHELL S	Pacific Telephone
1956	ATKINS HERSHELL S	Pacific Telephone

634 OMELVENY AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1980	FUENTES JOE B & MARYANN SAN FERNANDO	Pacific Telephone

OMELVENY ST

601 OMELVENY ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1926	Ellis J M	Los Angeles Directory Co.

613 OMELVENY ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1926	Rayzoza E	Los Angeles Directory Co.

614 OMELVENY ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1926	Wagner Win	Los Angeles Directory Co.

615 OMELVENY ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1926	Vacant	Los Angeles Directory Co.

633 OMELVENY ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1926	Vacant	Los Angeles Directory Co.

FINDINGS

ONEIDA AVE

11173 ONEIDA AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2004	OVELOZEstilller	Haines Company
1975	J BI CONCRETE	Pacific Telephone
1970	J B CONCRETE	Pacific Telephone
	J B CONCRETE	Pacific Telephone

11201 ONEIDA AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2004	no info	Haines Company

11202 ONEIDA AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2004	ROBLES Roberto	Haines Company
1991	Sandoval Adriana	Pacific Bell
1962	GOLLOMBEK BEN	Pacific Telephone
1956	RINEHART G G	Pacific Telephone
1950	GOLLOMBEK BENJ R	Pacific Telephone
	GOLLOMBEK BENJ R	Pacific Telephone

11211 ONEIDA AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2004	MAGANAMana C	Haines Company
1995	Magana Maria C	Pacific Bell
1991	Magana Maria C	Pacific Bell
1975	Cabrera Jesus	Pacific Telephone
1962	SANDOVAL ANGEL	Pacific Telephone
1956	HALLECK EMMA R	Pacific Telephone

11212 ONEIDA AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2004	SASCENCIO Aguslin	Haines Company
1980	ONOFRE CONSUELO	Pacific Telephone
1956	DIAZ MARTINNIANO	Pacific Telephone

FINDINGS

S FOX ST

701 S FOX ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2004	GONZALES Salvador	Haines Company

707 S FOX ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2004	0 HERNANDEZAlfredo	Haines Company
	ZARATEAUredo	Haines Company

713 S FOX ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2004	SHERNANDEZ Estella	Haines Company

717 S FOX ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2004	HERNANDEZ Guillermo	Haines Company

WOODWORTH

612 WOODWORTH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1940	Raiygoza Ernjlío	Los Angeles Directory Co.

613 WOODWORTH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1940	Miller Elmer	Los Angeles Directory Co.

619 WOODWORTH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1940	Alvarez Albt o	Los Angeles Directory Co.
1930	Mc Kinney W	Los Angeles Directory Co.

WOODWORTH PL

600 WOODWORTH PL

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1970	ALBERT ALVIN	Pacific Telephone
	ALBERT ALVIN	Pacific Telephone

FINDINGS

604 WOODWORTH PL

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1970	MARTINEZ TRINIDAD	Pacific Telephone
	MARTINEZ TRINIDAD	Pacific Telephone
1956	MOSS BILL	Pacific Telephone

612 WOODWORTH PL

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1970	RAIYGOZA EMILLO JR	Pacific Telephone
	RAIYGOZA EMILLO JR	Pacific Telephone
1962	RAIYGOZA EMILIO JR	Pacific Telephone

613 WOODWORTH PL

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1980	SEDANO ENRIQUE	Pacific Telephone
1970	MEODEZ JOVITA	Pacific Telephone
	MEODEZ JOVITA	Pacific Telephone
1956	ECHEVARRIA LOUISE R	Pacific Telephone

613 1/2 WOODWORTH PL

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1980	DELGADO ISMAEL	Pacific Telephone

614 WOODWORTH PL

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1962	RAIYGOZA EMILIO SR	Pacific Telephone
1956	RAIYGOZA EMILIO SR	Pacific Telephone

619 WOODWORTH PL

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1962	ALVAREZ ALBERT A	Pacific Telephone
1956	ALVAREZ ALBERT A R	Pacific Telephone
1950	ALVAREZ ALBERT A R	Pacific Telephone
	ALVAREZ ALBERT A R	Pacific Telephone

WOODWORTH ST

600 WOODWORTH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1991	Jauregui Dolores	Pacific Bell
	Jauregui E S Fer	Pacific Bell

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1985	Luna Paul	Pacific Bell

613 WOODWORTH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1991	Garcia Troy	Pacific Bell
1975	Ortega Jose	Pacific Telephone

614 WOODWORTH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1975	Moran Genoveva	Pacific Telephone

619 WOODWORTH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1991	Garcia Jenny Painting	Pacific Bell
	Garcia Jennifer	Pacific Bell

FINDINGS

TARGET PROPERTY: ADDRESS NOT IDENTIFIED IN RESEARCH SOURCE

The following Target Property addresses were researched for this report, and the addresses were not identified in the research source.

Address Researched

11133 OMelveny Avenue

Address Not Identified in Research Source

2006, 2003, 2001, 2000, 1999, 1996, 1992, 1990, 1986, 1981, 1976, 1972, 1971, 1969, 1967, 1966, 1965, 1964, 1963, 1961, 1960, 1958, 1957, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

ADJOINING PROPERTY: ADDRESSES NOT IDENTIFIED IN RESEARCH SOURCE

The following Adjoining Property addresses were researched for this report, and the addresses were not identified in research source.

Address Researched

11024 O Melveny Avenue

Address Not Identified in Research Source

2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

11030 O Melveny Avenue

2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

11040 O Melveny Avenue

2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

11070 OMELVENY AVE

2006, 2003, 2001, 2000, 1999, 1996, 1992, 1990, 1986, 1985, 1981, 1976, 1972, 1971, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

11080 OMELVENY AVE

2006, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1972, 1971, 1969, 1967, 1966, 1965, 1964, 1963, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

11114 AMBOY

2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

11126 AMBOY AVE

2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched

717 S FOX ST

Address Not Identified in Research Source

2006, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

**EDR-Radius
Map Report**

Appendix E

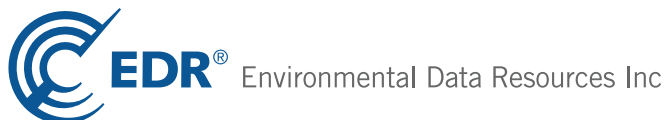


Bernards/San Fernando HS Teen Health Ctr

11133 O Melveny Avenue
San Fernando, CA 91340

Inquiry Number: 2985452.2s
February 07, 2011

The EDR Radius Map™ Report with GeoCheck®



440 Wheelers Farms Road
Milford, CT 06461
Toll Free: 800.352.0050
www.edrnet.com

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Detail Map	3
Map Findings Summary	4
Map Findings	8
Orphan Summary	158
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 <u>GEOCHECK ADDENDUM</u>	
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Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-05) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

11133 O MELVENY AVENUE
SAN FERNANDO, CA 91340

COORDINATES

Latitude (North): 34.270200 - 34° 16' 12.7"
Longitude (West): 118.441600 - 118° 26' 29.8"
Universal Transverse Mercator: Zone 11
UTM X (Meters): 367286.2
UTM Y (Meters): 3792860.8
Elevation: 1001 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 34118-C4 SAN FERNANDO, CA
Most Recent Revision: 1988

AERIAL PHOTOGRAPHY IN THIS REPORT

Photo Year: 2005
Source: USDA

TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records. For more information on this property see page 8 of the attached EDR Radius Map report:

Site	Database(s)	EPA ID
LOS ANGELES USD SAN FERNANDO HIGH 11133 OMELVENY AVE SAN FERNANDO, CA 91340	RCRA-SQG FINDS	CAD982022634
SAN FERNANDO SENIOR HIGH 11133 O'MELVENY AVE. SAN FERNANDO, CA 91340	FINDS	N/A
LAUSD/ SAN FERNANDO HIGH SCHOOL 11133 OMELVENY AVE SAN FERNANDO, CA 91340	HAZNET	N/A
SAN FERNANDO HIGH SCHOOL 11133 O'MELVENY AVE MISSION HILLS, CA 90021	CA FID UST SWEEPS UST	N/A

EXECUTIVE SUMMARY

SAN FERNANDO HIGH SCHOOL
11133O OMELVENY AVE
SAN FERNANDO, CA 91340

HIST UST

N/A

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

Proposed NPL..... Proposed National Priority List Sites
NPL LIENS..... Federal Superfund Liens

Federal Delisted NPL site list

Delisted NPL..... National Priority List Deletions

Federal CERCLIS list

FEDERAL FACILITY..... Federal Facility Site Information listing

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF..... RCRA - Treatment, Storage and Disposal

Federal RCRA generators list

RCRA-CESQG..... RCRA - Conditionally Exempt Small Quantity Generator

Federal ERNS list

ERNS..... Emergency Response Notification System

State and tribal leaking storage tank lists

INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land

State and tribal registered storage tank lists

AST..... Aboveground Petroleum Storage Tank Facilities
INDIAN UST..... Underground Storage Tanks on Indian Land
FEMA UST..... Underground Storage Tank Listing

State and tribal voluntary cleanup sites

VCP..... Voluntary Cleanup Program Properties

EXECUTIVE SUMMARY

INDIAN VCP..... Voluntary Cleanup Priority Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS..... A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

ODI..... Open Dump Inventory
DEBRIS REGION 9..... Torres Martinez Reservation Illegal Dump Site Locations
HAULERS..... Registered Waste Tire Haulers Listing
INDIAN ODI..... Report on the Status of Open Dumps on Indian Lands

Local Lists of Hazardous waste / Contaminated Sites

US CDL..... Clandestine Drug Labs
SCH..... School Property Evaluation Program
Toxic Pits..... Toxic Pits Cleanup Act Sites
AOCONCERN..... San Gabriel Valley Areas of Concern
US HIST CDL..... National Clandestine Laboratory Register

Local Land Records

LIENS 2..... CERCLA Lien Information
LUCIS..... Land Use Control Information System
LIENS..... Environmental Liens Listing
DEED..... Deed Restriction Listing

Records of Emergency Release Reports

HMIRS..... Hazardous Materials Information Reporting System
CHMIRS..... California Hazardous Material Incident Report System
LDS..... Land Disposal Sites Listing
MCS..... Military Cleanup Sites Listing

Other Ascertainable Records

DOT OPS..... Incident and Accident Data
DOD..... Department of Defense Sites
FUDS..... Formerly Used Defense Sites
UMTRA..... Uranium Mill Tailings Sites
MINES..... Mines Master Index File
TRIS..... Toxic Chemical Release Inventory System
TSCA..... Toxic Substances Control Act
FTTS..... FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
HIST FTTS..... FIFRA/TSCA Tracking System Administrative Case Listing
SSTS..... Section 7 Tracking Systems
ICIS..... Integrated Compliance Information System
PADS..... PCB Activity Database System
MLTS..... Material Licensing Tracking System
RADINFO..... Radiation Information Database

EXECUTIVE SUMMARY

RAATS.....	RCRA Administrative Action Tracking System
CA BOND EXP. PLAN.....	Bond Expenditure Plan
NPDES.....	NPDES Permits Listing
WDS.....	Waste Discharge System
LA Co. Site Mitigation.....	Site Mitigation List
DRYCLEANERS.....	Cleaner Facilities
LOS ANGELES CO. HMS.....	HMS: Street Number List
EMI.....	Emissions Inventory Data
INDIAN RESERV.....	Indian Reservations
SCRD DRYCLEANERS.....	State Coalition for Remediation of Drycleaners Listing
FINANCIAL ASSURANCE.....	Financial Assurance Information Listing
HWP.....	EnviroStor Permitted Facilities Listing
HWT.....	Registered Hazardous Waste Transporter Database
COAL ASH EPA.....	Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER.....	PCB Transformer Registration Database
PROC.....	Certified Processors Database
MWMP.....	Medical Waste Management Program Listing
COAL ASH DOE.....	Sleam-Electric Plan Operation Data

EDR PROPRIETARY RECORDS

EDR Proprietary Records

Manufactured Gas Plants.....	EDR Proprietary Manufactured Gas Plants
EDR Historical Auto Stations.....	EDR Proprietary Historic Gas Stations
EDR Historical Cleaners.....	EDR Proprietary Historic Dry Cleaners

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property. Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: Also known as Superfund, the National Priority List database is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund program. The source of this database is the U.S. EPA.

A review of the NPL list, as provided by EDR, and dated 12/31/2010 has revealed that there is 1 NPL

EXECUTIVE SUMMARY

site within approximately 1.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
SAN FERNANDO VALLEY (AREA 1)	NORTH HOLLYWOOD WELLFIENE 1/2 - 1 (0.671 mi.)		0	13

Federal CERCLIS list

CERCLIS: The Comprehensive Environmental Response, Compensation and Liability Information System contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

A review of the CERCLIS list, as provided by EDR, and dated 09/30/2010 has revealed that there are 3 CERCLIS sites within approximately 0.75 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
SAN FERNANDO VALLEY (AREA 1)	NORTH HOLLYWOOD WELLFIENE 1/2 - 1 (0.671 mi.)		0	13
TEC PROCESSING	11263 ILEX AVENUE	ENE 1/2 - 1 (0.575 mi.)	I32	70
CHAPMAN MANUFACTURING	13748 DESMOND DRIVE	ENE 1/2 - 1 (0.580 mi.)	J35	72

Federal CERCLIS NFRAP site List

CERC-NFRAP: Archived sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

A review of the CERC-NFRAP list, as provided by EDR, and dated 06/23/2009 has revealed that there is 1 CERC-NFRAP site within approximately 0.75 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
AMERICAN ETCHING AND MANUFACTU	13730 DESMOND ST	ENE 1/2 - 1 (0.616 mi.)	J38	75

Federal RCRA CORRACTS facilities list

CORRACTS: CORRACTS is a list of handlers with RCRA Corrective Action Activity. This report shows which nationally-defined corrective action core events have occurred for every handler that has had corrective action activity.

A review of the CORRACTS list, as provided by EDR, and dated 05/25/2010 has revealed that there is 1 CORRACTS site within approximately 1.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
AMERICAN ETCHING AND MANUFACTU	13730 DESMOND ST	ENE 1/2 - 1 (0.616 mi.)	J38	75

EXECUTIVE SUMMARY

Federal RCRA generators list

RCRA-LQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

A review of the RCRA-LQG list, as provided by EDR, and dated 02/17/2010 has revealed that there are 2 RCRA-LQG sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
MISSION CONTINUATION HIGH SCHO	11015 OMELVENY AVE	E 0 - 1/8 (0.105 mi.)	B6	43
O MELVENY ELEMENTARY SCHOOL	728 WOODWORTH ST	NNW 1/4 - 1/2 (0.402 mi.)	15	51

RCRA-SQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

A review of the RCRA-SQG list, as provided by EDR, and dated 02/17/2010 has revealed that there are 3 RCRA-SQG sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<i>FORD AUTO BODY INCORPORATED</i>	<i>11151 LAUREL CANYON BOU WNW 1/4 - 1/2 (0.318 mi.)</i>	<i>D13</i>	<i>49</i>	
<i>CHEVRON STATION NO 95571</i>	<i>11221 LAUREL CANYON BLV WNW 1/4 - 1/2 (0.429 mi.)</i>	<i>F22</i>	<i>59</i>	
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<i>SHELL SERVICE STATION</i>	<i>10685 LAUREL CANYON BLV SSE 1/4 - 1/2 (0.418 mi.)</i>	<i>E17</i>	<i>53</i>	

Federal institutional controls / engineering controls registries

US ENG CONTROLS: A listing of sites with engineering controls in place.

A review of the US ENG CONTROLS list, as provided by EDR, and dated 01/05/2011 has revealed that there is 1 US ENG CONTROLS site within approximately 0.75 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<i>SAN FERNANDO VALLEY (AREA 1)</i>	<i>NORTH HOLLYWOOD WELLFIENE 1/2 - 1 (0.671 mi.)</i>	<i>0</i>	<i>13</i>	

US INST CONTROL: A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

A review of the US INST CONTROL list, as provided by EDR, and dated 01/05/2011 has revealed that

EXECUTIVE SUMMARY

there is 1 US INST CONTROL site within approximately 0.75 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
SAN FERNANDO VALLEY (AREA 1)	NORTH HOLLYWOOD WELLFIENE 1/2 - 1 (0.671 mi.)		0	13

State- and tribal - equivalent NPL

RESPONSE: Identifies confirmed release sites where DTSC is involved in remediation, either in a lead or oversight capacity. These confirmed release sites are generally high-priority and high potential risk.

A review of the RESPONSE list, as provided by EDR, and dated 11/08/2010 has revealed that there are 2 RESPONSE sites within approximately 1.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
PACOIMA	13546 DESMOND ST.	ENE 1/2 - 1 (0.891 mi.)	N48	112
D & M STEEL, INC.	11035 SUTTER AVENUE	E 1/2 - 1 (0.930 mi.)	49	146

State- and tribal - equivalent CERCLIS

ENVIROSTOR: The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifies sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

A review of the ENVIROSTOR list, as provided by EDR, and dated 11/08/2010 has revealed that there are 16 ENVIROSTOR sites within approximately 1.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
SAN FERNANDO VALLEY (AREA 1) Status: Active	NORTH HOLLYWOOD WELLFIENE 1/2 - 1 (0.671 mi.)		0	13
TEC-PROCESSING	11263 ILEX STREET	ENE 1/2 - 1 (0.575 mi.)	I31	69
TEC PROCESSING Status: Active	11263 ILEX AVENUE	ENE 1/2 - 1 (0.575 mi.)	I33	70
AMERICAN ETCHING MANUFACTURING Status: Inactive - Action Required	13730 DESMOND STREET	ENE 1/2 - 1 (0.616 mi.)	J37	73
AMERICAN ETCHING AND MANUFACTU Status: * Inactive	13730 DESMOND ST	ENE 1/2 - 1 (0.616 mi.)	J38	75
CP PLATING	13717 DESMOND STREET	ENE 1/2 - 1 (0.643 mi.)	K39	91
PRICE PFISTER INCORPORATED Status: Refer: RWQCB	13500 PAXTON ST.	ENE 1/2 - 1 (0.859 mi.)	M45	98
PRICE PFISTER, INC.	13500 PAXTON STREET	ENE 1/2 - 1 (0.859 mi.)	M46	109
BURBANK PLATING SERVICE CORP. Status: Inactive - Action Required	13561 DESMOND STREET	ENE 1/2 - 1 (0.866 mi.)	N47	110
PACOIMA Status: Active	13546 DESMOND ST.	ENE 1/2 - 1 (0.891 mi.)	N48	112

EXECUTIVE SUMMARY

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
D & M STEEL, INC. Status: No Further Action	11035 SUTTER AVENUE	E 1/2 - 1 (0.930 mi.)	49	146
CALIFORNIA TECHNICAL PLATING Status: Active	11533 BRADLEY AVENUE	NE 1/2 - 1 (0.942 mi.)	50	149
FLEX-LINK PRODUCTS, INC. SAN FERNANDO ELECTRIC Status: No Further Action	599 FOURTH STREET 1501 FIRST STREET	NNE 1/2 - 1 (0.985 mi.) N 1 - 2 (1.162 mi.)	51 52	150 151
MUFFLER & RADIATOR SHOP - PACO Status: No Further Action	10741 TOI 10767 SAN FER	ESE 1 - 2 (1.223 mi.)	53	153
VAUGHN HIGH SCHOOL ACADEMY Status: No Further Action	11467 HERRICK AVENUE	ENE 1 - 2 (1.225 mi.)	54	155

State and tribal landfill and/or solid waste disposal site lists

SWF/LF: The Solid Waste Facilities/Landfill Sites records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. The data come from the Integrated Waste Management Board's Solid Waste Information System (SWIS) database.

A review of the SWF/LF list, as provided by EDR, and dated 11/22/2010 has revealed that there is 1 SWF/LF site within approximately 0.75 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
SAN FERNANDO ST. MDY	11370 SAN FERNANDO RD.	NE 1/2 - 1 (0.653 mi.)	L41	94

State and tribal leaking storage tank lists

LUST: The Leaking Underground Storage Tank Incident Reports contain an inventory of reported leaking underground storage tank incidents. The data come from the State Water Resources Control Board Leaking Underground Storage Tank Information System.

A review of the LUST list, as provided by EDR, and dated 12/16/2010 has revealed that there are 6 LUST sites within approximately 0.75 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
SHELL SERVICE STATION Status: Completed - Case Closed	11278 LAUREL CYN RD	NW 1/2 - 1 (0.546 mi.)	H29	67
LAUREL CANYON SHELL Status: Open - Site Assessment	11278 LAUREL CANYON BLV	NW 1/2 - 1 (0.546 mi.)	H30	68
AMERICAN ETCHING AND MANUFACTU Status: Completed - Case Closed	13730 DESMOND ST	ENE 1/2 - 1 (0.616 mi.)	J38	75
LA CITY DEPT PUBLIC WORKS Status: Completed - Case Closed	11370 SAN FERNANDO	NE 1/2 - 1 (0.652 mi.)	L40	92
GTE Status: Completed - Case Closed	401 BRAND BLVD S	N 1/2 - 1 (0.713 mi.)	43	96
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
SHELL OIL PRODUCTS CO Status: Completed - Case Closed	10685 LAUREL CANYON	SSE 1/4 - 1/2 (0.418 mi.)	E20	56

EXECUTIVE SUMMARY

SLIC: SLIC Region comes from the California Regional Water Quality Control Board.

A review of the SLIC list, as provided by EDR, and dated 12/16/2010 has revealed that there are 2 SLIC sites within approximately 0.75 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
ROBERT F. CHAPMAN, INC. Facility Status: Open - Site Assessment	13748 DESMOND ST.	ENE 1/2 - 1 (0.580 mi.)	J34	71
AMERICAN ETCHING Facility Status: Open - Site Assessment	13730 DESMOND ST.	ENE 1/2 - 1 (0.616 mi.)	J36	73

State and tribal registered storage tank lists

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the State Water Resources Control Board's Hazardous Substance Storage Container Database.

A review of the UST list, as provided by EDR, and dated 12/16/2010 has revealed that there are 3 UST sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
CHEVRON STATION #95571	11221 LAUREL CANYON BLV	WNW 1/4 - 1/2 (0.429 mi.)	F23	60
ARCO BUDGET MINI MARKET	11244 LAUREL CANYON BLV	NW 1/4 - 1/2 (0.484 mi.)	G27	64
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
PACOIMA SHELL	10685 LAUREL CANYON BLV	SSE 1/4 - 1/2 (0.418 mi.)	E19	56

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Landfill / Solid Waste Disposal Sites

WMUDS/SWAT: The Waste Management Unit Database System is used for program tracking and inventory of waste management units. The source is the State Water Resources Control Board.

A review of the WMUDS/SWAT list, as provided by EDR, and dated 04/01/2000 has revealed that there is 1 WMUDS/SWAT site within approximately 0.75 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
SAN FERNANDO CITY LANDFILL	SHARP AVE & PAXTON	S 1/2 - 1 (0.539 mi.)	28	65

SWRCY: A listing of recycling facilities in California.

A review of the SWRCY list, as provided by EDR, and dated 11/18/2010 has revealed that there is 1 SWRCY site within approximately 0.75 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
CHANITO RECYCLING	11243 SAN FERNANDO RD	ENE 1/2 - 1 (0.681 mi.)	K42	94

EXECUTIVE SUMMARY

Local Lists of Hazardous waste / Contaminated Sites

HIST Cal-Sites: Formerly known as ASPIS, this database contains both known and potential hazardous substance sites. The source is the California Department of Toxic Substance Control. No longer updated by the state agency. It has been replaced by ENVIROSTOR.

A review of the HIST Cal-Sites list, as provided by EDR, and dated 08/08/2005 has revealed that there are 2 HIST Cal-Sites sites within approximately 1.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
SAN FERNANDO VALLEY (AREA 1)	NORTH HOLLYWOOD WELLFIENE 1/2 - 1 (0.671 mi.)	0	13	
PACOIMA	13546 DESMOND ST. ENE 1/2 - 1 (0.891 mi.)	N48	112	

CDL: A listing of drug lab locations. Listing of a location in this database does not indicate that any illegal drug lab materials were or were not present there, and does not constitute a determination that the location either requires or does not require additional cleanup work.

A review of the CDL list, as provided by EDR, and dated 08/19/2010 has revealed that there is 1 CDL site within approximately 0.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
Not reported	10864 LAUREL CANYON BLV	S 1/8 - 1/4 (0.166 mi.)	8	45

Local Lists of Registered Storage Tanks

CA FID UST: The Facility Inventory Database contains active and inactive underground storage tank locations. The source is the State Water Resource Control Board.

A review of the CA FID UST list, as provided by EDR, and dated 10/31/1994 has revealed that there are 5 CA FID UST sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
GLOBE PACKING COMPANY/C	11200 KEWEN AVE	NE 1/4 - 1/2 (0.281 mi.)	C11	46
BOECKMANN AUTOMOTIVE LLC DBA G	11151 LAUREL CANYON BLV	WNW 1/4 - 1/2 (0.318 mi.)	D12	47
CHEVRON STATION-95571	11221 LAUREL CANYON BLV	WNW 1/4 - 1/2 (0.429 mi.)	F24	60
NASSER/HAYDEN ALLAHVERDI	11244 LAUREL CANYON BLV	NW 1/4 - 1/2 (0.484 mi.)	G26	63
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
PYUNG SHELL SERVICE STATION	10685 LAUREL CANYON BLV	SSE 1/4 - 1/2 (0.418 mi.)	E16	52

HIST UST: Historical UST Registered Database.

A review of the HIST UST list, as provided by EDR, and dated 10/15/1990 has revealed that there are 3 HIST UST sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
GLOBE PACKING CO.	11200 KEWEN AVE.	NE 1/4 - 1/2 (0.279 mi.)	C10	45
95571	11221 LAUREL CANYON BLV	WNW 1/4 - 1/2 (0.429 mi.)	F21	58
ARCO BUDGET MINI MARKET	11244 LAUREL CANYON BLV	NW 1/4 - 1/2 (0.484 mi.)	G27	64

EXECUTIVE SUMMARY

SWEEPS UST: Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

A review of the SWEEPS UST list, as provided by EDR, and dated 06/01/1994 has revealed that there are 5 SWEEPS UST sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
GLOBE PACKING COMPANY/C	11200 KEWEN AVE	NE 1/4 - 1/2 (0.281 mi.)	C11	46
BOECKMANN AUTOMOTIVE LLC DBA G	11151 LAUREL CANYON BLV	WNW 1/4 - 1/2 (0.318 mi.)	D12	47
CHEVRON STATION-95571	11221 LAUREL CANYON BLV	WNW 1/4 - 1/2 (0.429 mi.)	F24	60
NASSER/HAYDEN ALLAHVERDI	11244 LAUREL CANYON BLV	NW 1/4 - 1/2 (0.484 mi.)	G26	63
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
PYUNG SHELL SERVICE STATION	10685 LAUREL CANYON BLV	SSE 1/4 - 1/2 (0.418 mi.)	E16	52

Other Ascertainable Records

RCRA-NonGen: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

A review of the RCRA-NonGen list, as provided by EDR, and dated 02/17/2010 has revealed that there is 1 RCRA-NonGen site within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
M C TRUCKING	11189 TAMARACK AVE	ENE 1/4 - 1/2 (0.465 mi.)	25	62

CONSENT: Major Legal settlements that establish responsibility and standards for cleanup at NPL (superfund) sites. Released periodically by U.S. District Courts after settlement by parties to litigation matters.

A review of the CONSENT list, as provided by EDR, and dated 10/01/2010 has revealed that there is 1 CONSENT site within approximately 1.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
SAN FERNANDO VALLEY (AREA 1)	NORTH HOLLYWOOD WELLFIENE 1/2 - 1 (0.671 mi.)		0	13

ROD: Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid the cleanup.

A review of the ROD list, as provided by EDR, and dated 06/01/2010 has revealed that there is 1 ROD site within approximately 1.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
SAN FERNANDO VALLEY (AREA 1)	NORTH HOLLYWOOD WELLFIENE 1/2 - 1 (0.671 mi.)		0	13

EXECUTIVE SUMMARY

FINDS: The Facility Index System contains both facility information and "pointers" to other sources of information that contain more detail. These include: RCRIS; Permit Compliance System (PCS); Aerometric Information Retrieval System (AIRS); FATES (FIFRA [Federal Insecticide Fungicide Rodenticide Act] and TSCA Enforcement System, FTTS [FIFRA/TSCA Tracking System]; CERCLIS; DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes); Federal Underground Injection Control (FURS); Federal Reporting Data System (FRDS); Surface Impoundments (SIA); TSCA Chemicals in Commerce Information System (CICS); PADS; RCRA-J (medical waste transporters/disposers); TRIS; and TSCA. The source of this database is the U.S. EPA/NTIS.

A review of the FINDS list, as provided by EDR, and dated 04/14/2010 has revealed that there is 1 FINDS site within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
MISSION CONTINUATION HIGH SCHO	11015 O'MELVENY AVE.	E 0 - 1/8 (0.105 mi.)	B7	44

Cortese: The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites). This listing is no longer updated by the state agency.

A review of the Cortese list, as provided by EDR, and dated 01/04/2011 has revealed that there is 1 Cortese site within approximately 0.75 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
SAN FERNANDO VALLEY (AREA 1)	NORTH HOLLYWOOD WELLFIENE 1/2 - 1 (0.671 mi.)		0	13

HIST CORTESE: The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSITES].

A review of the HIST CORTESE list, as provided by EDR, and dated 04/01/2001 has revealed that there is 1 HIST CORTESE site within approximately 0.5 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
SHELL OIL PRODUCTS CO	10685 LAUREL CNYN	SSE 1/4 - 1/2 (0.418 mi.)	E18	56

Notify 65: Notify 65 records contain facility notifications about any release that could impact drinking water and thereby expose the public to a potential health risk. The data come from the State Water Resources Control Board's Proposition 65 database.

A review of the Notify 65 list, as provided by EDR, and dated 10/21/1993 has revealed that there is 1 Notify 65 site within approximately 1.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
CHEVRON - JIM HAYNES	11113 SAN FERNANDO RD.	E 1/2 - 1 (0.792 mi.)	44	98

EXECUTIVE SUMMARY

WIP: Well Investigation Program case in the San Gabriel and San Fernando Valley area.

A review of the WIP list, as provided by EDR, and dated 07/03/2009 has revealed that there is 1 WIP site within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
ALLIED COLOR Facility Status: Historical	13596 VAUGHN ST	ENE 1/4 - 1/2 (0.362 mi.)	14	50

HAZNET: The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000-1,000,000 annually, representing approximately 350,000-500,000 shipments. Data from non-California manifests & continuation sheets are not included at the present time. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, & disposal method. The source is the Department of Toxic Substance Control is the agency

A review of the HAZNET list, as provided by EDR, and dated 12/31/2009 has revealed that there is 1 HAZNET site within approximately 0.25 miles of the target property.

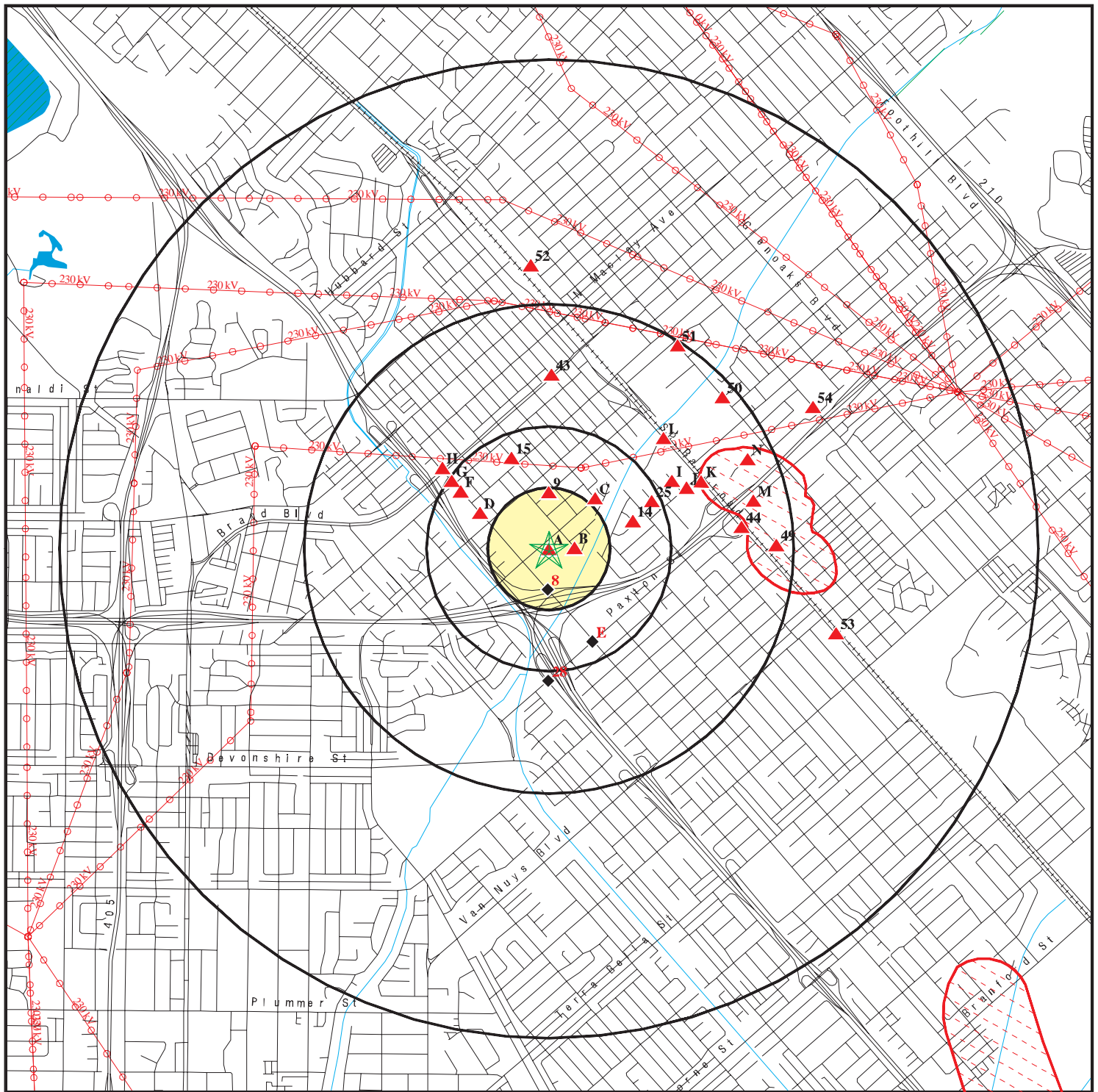
<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
DELFINA PRADO	14141 LA RUE ST	N 1/8 - 1/4 (0.233 mi.)	9	45

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 21 records.

<u>Site Name</u>	<u>Database(s)</u>
SAN FERNANDO RD BIKE PATH PHASE 1	NPDES
ROUTE 5/14 HIGH OCCUPANCY VEHICLE	NPDES
NEWHALL I 5 SR 14	NPDES
SWC OLDEN ST & SAN FERNANDO RD	NPDES
IN ALLEY BEHIND 12976 PAXTON S	CDL
28.15 MI.MARKER ON ANGELES CRE	CDL
DANIELS ENGRAVING (FORMER)	CERCLIS
CHEVRON U.S.A PRODUCTS COMPANY	UST ALAMEDA
SOUTHERN CALIFORNIA FLEET SERVICE	HAZNET
CALTRANS DIST 7/MAINTENANCE	HAZNET
CALTRANS D-7/CONSTR/EA07-168004	HAZNET
LUCKY STORES INC	HAZNET
LAUREL CANYON & SHELL	HAZNET
CALTRANS DIST 7	HAZNET
SELLAND AUTO TRANSPORTS INC	HAZNET
GTE CALIFORNIA INC	HAZNET
LA SAN FERNANDO ST MAINT YARD	RCRA-SQG,FINDS
SAN FERNANDO VALLEY	ERNS
SAN FERNANDO RD AND OLDEN	ERNS
SAN FERNANDO ELECTRIC	SITE MIT LOS ANGELES
PACESETTER SYS INC	EMI

OVERVIEW MAP - 2985452.2s



★ Target Property

▲ Sites at elevations higher than or equal to the target property

◆ Sites at elevations lower than the target property

▲ Manufactured Gas Plants

■ National Priority List Sites

■ Dept. Defense Sites

■ Indian Reservations BIA

— Power transmission lines

— Oil & Gas pipelines

■ 100-year flood zone

■ 500-year flood zone

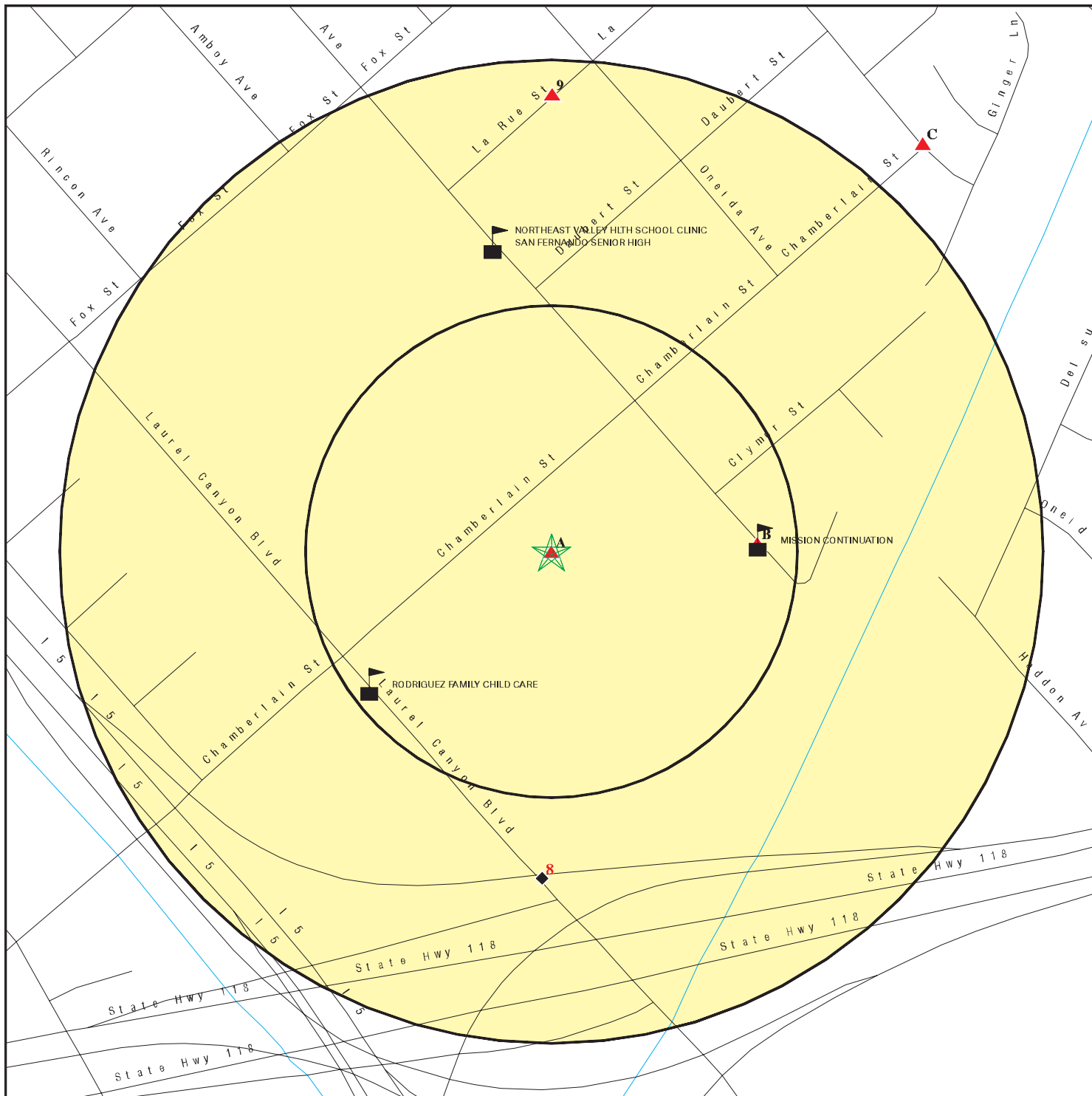
■ Areas of Concern

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Bernards/San Fernando HS Teen Health Ctr
ADDRESS: 11133 O Melveny Avenue
San Fernando CA 91340
LAT/LONG: 34.2702 / 118.4416

CLIENT: Converse Consultants
CONTACT: Lisa Waldez
INQUIRY #: 2985452.2s
DATE: February 07, 2011 4:25 pm

DETAIL MAP - 2985452.2s



This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Bernards/San Fernando HS Teen Health Ctr
 ADDRESS: 11133 O Melveny Avenue
 San Fernando CA 91340
 LAT/LONG: 34.2702 / 118.4416

CLIENT: Converse Consultants
 CONTACT: Lisa Waldez
 INQUIRY #: 2985452.2s
 DATE: February 07, 2011 4:26 pm

MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
<i>Federal NPL site list</i>								
NPL		1.250	0	0	0	1	0	1
Proposed NPL		1.250	0	0	0	0	0	0
NPL LIENS		0.250	0	0	NR	NR	NR	0
<i>Federal Delisted NPL site list</i>								
Delisted NPL		1.250	0	0	0	0	0	0
<i>Federal CERCLIS list</i>								
CERCLIS		0.750	0	0	0	3	NR	3
FEDERAL FACILITY		1.250	0	0	0	0	0	0
<i>Federal CERCLIS NFRAP site List</i>								
CERC-NFRAP		0.750	0	0	0	1	NR	1
<i>Federal RCRA CORRACTS facilities list</i>								
CORRACTS		1.250	0	0	0	1	0	1
<i>Federal RCRA non-CORRACTS TSD facilities list</i>								
RCRA-TSDF		0.750	0	0	0	0	NR	0
<i>Federal RCRA generators list</i>								
RCRA-LQG		0.500	1	0	1	NR	NR	2
RCRA-SQG	X	0.500	0	0	3	NR	NR	3
RCRA-CESQG		0.500	0	0	0	NR	NR	0
<i>Federal institutional controls / engineering controls registries</i>								
US ENG CONTROLS		0.750	0	0	0	1	NR	1
US INST CONTROL		0.750	0	0	0	1	NR	1
<i>Federal ERNS list</i>								
ERNS		0.250	0	0	NR	NR	NR	0
<i>State- and tribal - equivalent NPL</i>								
RESPONSE		1.250	0	0	0	2	0	2
<i>State- and tribal - equivalent CERCLIS</i>								
ENVIROSTOR		1.250	0	0	0	13	3	16
<i>State and tribal landfill and/or solid waste disposal site lists</i>								
SWF/LF		0.750	0	0	0	1	NR	1
<i>State and tribal leaking storage tank lists</i>								
LUST		0.750	0	0	1	5	NR	6
SLIC		0.750	0	0	0	2	NR	2

MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
INDIAN LUST		0.750	0	0	0	0	NR	0
State and tribal registered storage tank lists								
UST		0.500	0	0	3	NR	NR	3
AST		0.500	0	0	0	NR	NR	0
INDIAN UST		0.500	0	0	0	NR	NR	0
FEMA UST		0.500	0	0	0	NR	NR	0
State and tribal voluntary cleanup sites								
VCP		0.750	0	0	0	0	NR	0
INDIAN VCP		0.750	0	0	0	0	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS		0.750	0	0	0	0	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
ODI		0.750	0	0	0	0	NR	0
DEBRIS REGION 9		0.750	0	0	0	0	NR	0
WMUDS/SWAT		0.750	0	0	0	1	NR	1
SWRCY		0.750	0	0	0	1	NR	1
HAULERS		0.250	0	0	NR	NR	NR	0
INDIAN ODI		0.750	0	0	0	0	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US CDL		0.250	0	0	NR	NR	NR	0
HIST Cal-Sites		1.250	0	0	0	2	0	2
SCH		0.500	0	0	0	NR	NR	0
Toxic Pits		1.250	0	0	0	0	0	0
AOCONCERN		1.250	0	0	0	0	0	0
CDL		0.250	0	1	NR	NR	NR	1
US HIST CDL		0.250	0	0	NR	NR	NR	0
Local Lists of Registered Storage Tanks								
CA FID UST	X	0.500	0	0	5	NR	NR	5
HIST UST	X	0.500	0	0	3	NR	NR	3
SWEEPS UST	X	0.500	0	0	5	NR	NR	5
Local Land Records								
LIENS 2		0.250	0	0	NR	NR	NR	0
LUCIS		0.750	0	0	0	0	NR	0
LIENS		0.250	0	0	NR	NR	NR	0
DEED		0.750	0	0	0	0	NR	0
Records of Emergency Release Reports								
HMIRS		0.250	0	0	NR	NR	NR	0
CHMIRS		0.250	0	0	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
LDS		0.250	0	0	NR	NR	NR	0
MCS		0.250	0	0	NR	NR	NR	0
Other Ascertainable Records								
RCRA-NonGen		0.500	0	0	1	NR	NR	1
DOT OPS		0.250	0	0	NR	NR	NR	0
DOD		1.250	0	0	0	0	0	0
FUDS		1.250	0	0	0	0	0	0
CONSENT		1.250	0	0	0	1	0	1
ROD		1.250	0	0	0	1	0	1
UMTRA		0.750	0	0	0	0	NR	0
MINES		0.500	0	0	0	NR	NR	0
TRIS		0.250	0	0	NR	NR	NR	0
TSCA		0.250	0	0	NR	NR	NR	0
FTTS		0.250	0	0	NR	NR	NR	0
HIST FTTS		0.250	0	0	NR	NR	NR	0
SSTS		0.250	0	0	NR	NR	NR	0
ICIS		0.250	0	0	NR	NR	NR	0
PADS		0.250	0	0	NR	NR	NR	0
MLTS		0.250	0	0	NR	NR	NR	0
RADINFO		0.250	0	0	NR	NR	NR	0
FINDS	X	0.250	1	0	NR	NR	NR	1
RAATS		0.250	0	0	NR	NR	NR	0
CA BOND EXP. PLAN		1.250	0	0	0	0	0	0
NPDES		0.250	0	0	NR	NR	NR	0
WDS		0.250	0	0	NR	NR	NR	0
Cortese		0.750	0	0	0	1	NR	1
HIST CORTESE		0.500	0	0	1	NR	NR	1
Notify 65		1.250	0	0	0	1	0	1
LA Co. Site Mitigation		0.250	0	0	NR	NR	NR	0
DRYCLEANERS		0.500	0	0	0	NR	NR	0
WIP		0.500	0	0	1	NR	NR	1
LOS ANGELES CO. HMS		0.250	0	0	NR	NR	NR	0
HAZNET	X	0.250	0	1	NR	NR	NR	1
EMI		0.250	0	0	NR	NR	NR	0
INDIAN RESERV		1.250	0	0	0	0	0	0
SCRD DRYCLEANERS		0.750	0	0	0	0	NR	0
FINANCIAL ASSURANCE		0.250	0	0	NR	NR	NR	0
HWP		1.250	0	0	0	0	0	0
HWT		0.500	0	0	0	NR	NR	0
COAL ASH EPA		0.750	0	0	0	0	NR	0
PCB TRANSFORMER		0.250	0	0	NR	NR	NR	0
PROC		0.750	0	0	0	0	NR	0
MWMP		0.500	0	0	0	NR	NR	0
COAL ASH DOE		0.250	0	0	NR	NR	NR	0

EDR PROPRIETARY RECORDS

EDR Proprietary Records

Manufactured Gas Plants	1.250	0	0	0	0	0	0
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MAP FINDINGS SUMMARY

<u>Database</u>	<u>Target Property</u>	<u>Search Distance (Miles)</u>	<u>< 1/8</u>	<u>1/8 - 1/4</u>	<u>1/4 - 1/2</u>	<u>1/2 - 1</u>	<u>> 1</u>	<u>Total Plotted</u>
EDR Historical Auto Stations		0.500	0	0	0	NR	NR	0
EDR Historical Cleaners		0.500	0	0	0	NR	NR	0

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A1 **LOS ANGELES USD SAN FERNANDO HIGH SCHOOL**
Target **11133 OMELVENY AVE**
Property **SAN FERNANDO, CA 91340**

RCRA-SQG **1000102138**
FINDS **CAD982022634**

Site 1 of 5 in cluster A

Actual:
1001 ft.

RCRA-SQG:

Date form received by agency: 08/07/1987
Facility name: LOS ANGELES USD SAN FERNANDO HIGH SCHOOL
Facility address: 11133 OMELVENY AVE
SAN FERNANDO, CA 91340
EPA ID: CAD982022634
Mailing address: 1425 S SAN PEDRO ST ROOM 215
LOS ANGELES, CA 90015
Contact: ENVIRONMENTAL MANAGER
Contact address: 11133 OMELVENY AVE
SAN FERNANDO, CA 91340
Contact country: US
Contact telephone: (213) 742-7371
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: LOS ANGELES UNIFIED SCHOOL DISTRICT
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Municipal
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Municipal
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): Unknown
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LOS ANGELES USD SAN FERNANDO HIGH SCHOOL (Continued)

1000102138

Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No
Off-site waste receiver: Verified to be non-commercial

Violation Status: No violations found

FINDS:

Registry ID: 110002779235

Environmental Interest/Information System

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

A2
Target
Property

SAN FERNANDO SENIOR HIGH
11133 O'MELVENY AVE.
SAN FERNANDO, CA 91340

FINDS **1008298918**
N/A

Site 2 of 5 in cluster A

Actual:
1001 ft.

FINDS:

Registry ID: 110021886271

Environmental Interest/Information System

US Geographic Names Information System (GNIS) is the official vehicle for geographic names used by the federal government and the source for applying geographic names to federal maps and other printed and electronic documents.

NCES (National Center for Education Statistics) is the primary federal entity for collecting and analyzing data related to education in the United States and other nations and the institute of education sciences.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A3
Target
Property
LAUSD/ SAN FERNANDO HIGH SCHOOL
11133 OMELVENY AVE
SAN FERNANDO, CA 91340

HAZNET
S103623202
N/A

Site 3 of 5 in cluster A

Actual:
1001 ft.

HAZNET:

Gepaid: CAD982022634
Contact: SOE AUNG
Telephone: 2132413199
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 333 S BEAUDRY AVE 20TH FLR
Mailing City,St,Zip: LOS ANGELES, CA 900170000
Gen County: Los Angeles
TSD EPA ID: AZC950823111
TSD County: 99
Waste Category: Asbestos-containing waste
Disposal Method: H132
Tons: 10.8
Facility County: Los Angeles

Gepaid: CAD982022634
Contact: SOE AUNG
Telephone: 2132413199
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 333 S BEAUDRY AVE 20TH FLR
Mailing City,St,Zip: LOS ANGELES, CA 900170000
Gen County: Los Angeles
TSD EPA ID: CAD980884183
TSD County: Sacramento
Waste Category: Other inorganic solid waste
Disposal Method: H141
Tons: 0.12
Facility County: Los Angeles

Gepaid: CAD982022634
Contact: YI HWA KIM DEPUTY DIRECTOR
Telephone: 2137435086
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 333 S BEAUDRY AVE 20TH FLR
Mailing City,St,Zip: LOS ANGELES, CA 900170000
Gen County: Los Angeles
TSD EPA ID: AZC950823111
TSD County: 99
Waste Category: Asbestos-containing waste
Disposal Method: Not reported
Tons: 29.49
Facility County: Los Angeles

Gepaid: CAD982022634
Contact: SOE AUNG
Telephone: 2132413199
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 333 S BEAUDRY AVE 20TH FLR
Mailing City,St,Zip: LOS ANGELES, CA 900170000

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LAUSD/ SAN FERNANDO HIGH SCHOOL (Continued)

S103623202

Gen County: Los Angeles
TSD EPA ID: CAD028409019
TSD County: Los Angeles
Waste Category: Unspecified oil-containing waste
Disposal Method: H141
Tons: 0.03
Facility County: Los Angeles

Gepaid: CAD982022634
Contact: SOE AUNG / ECM
Telephone: 2132413199
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 333 S BEAUDRY AVE 20TH FLOOR
Mailing City,St,Zip: LOS ANGELES, CA 900170000
Gen County: Los Angeles
TSD EPA ID: CAD028409019
TSD County: Los Angeles
Waste Category: Unspecified oil-containing waste
Disposal Method: H141
Tons: 0.05
Facility County: Los Angeles

[Click this hyperlink](#) while viewing on your computer to access
26 additional CA_HAZNET: record(s) in the EDR Site Report.

**A4
Target
Property**

**SAN FERNANDO HIGH SCHOOL
11133 O'MELVENY AVE
MISSION HILLS, CA 90021**

**CA FID UST
SWEEPS UST**

**S101618452
N/A**

Site 4 of 5 in cluster A

**Actual:
1001 ft.**

CA FID UST:
Facility ID: 19004739
Regulated By: UTNKI
Regulated ID: Not reported
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 2137427590
Mail To: Not reported
Mailing Address: 11133 O'MELVENY AVE
Mailing Address 2: Not reported
Mailing City,St,Zip: MISSION HILLS 900210000
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Inactive

SWEEPS UST:

Status: Not reported
Comp Number: 5933
Number: Not reported
Board Of Equalization: Not reported
Ref Date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SAN FERNANDO HIGH SCHOOL (Continued)

S101618452

Act Date: Not reported
Created Date: Not reported
Tank Status: Not reported
Owner Tank Id: Not reported
Swrcb Tank Id: Not reported
Actv Date: Not reported
Capacity: Not reported
Tank Use: Not reported
Stg: Not reported
Content: Not reported
Number Of Tanks: Not reported

A5
Target
Property
SAN FERNANDO HIGH SCHOOL
111330 OMELVENY AVE
SAN FERNANDO, CA 91340

HIST UST
U001567540
N/A

Site 5 of 5 in cluster A

Actual:
1001 ft.

HIST UST:
Region: STATE
Facility ID: 00000068245
Facility Type: Other
Other Type: SCHOOL DISTRICT
Total Tanks: 0001
Contact Name: CARLOS MORENO ASSISTANT MAINT.
Telephone: 2137427586
Owner Name: LOS ANGELES UNIFIED SCHOOL DIS
Owner Address: 1425 SOUTH SAN PEDRO ST. RM. 3
Owner City,St,Zip: LOS ANGELES, CA 90015

Tank Num: 001
Container Num: 7
Year Installed: Not reported
Tank Capacity: 00005076
Tank Used for: WASTE
Type of Fuel: 4
Tank Construction: Unkown centimeters
Leak Detection: None

Tank Num: 001
Container Num: 18
Year Installed: 1950
Tank Capacity: 00005076
Tank Used for: WASTE
Type of Fuel: 4
Tank Construction: Unkown centimeters
Leak Detection: None

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NPL
Region
ENE
1/2-1
3541 ft.

SAN FERNANDO VALLEY (AREA 1)
NORTH HOLLYWOOD WELLFIELD AREA
NORTH HOLLYWOOD, CA 91601

NPL
CERCLIS
US ENG CONTROLS
US INST CONTROL
CONSENT
ROD
FINDS
HIST Cal-Sites
Cortese
ENVIROSTOR

1000709322
CAD980894893

NPL:

EPA ID: CAD980894893
EPA Region: 09
Federal: N
Final Date: 6/10/1986

Category Details:

NPL Status: Currently on the Final NPL
Category Description: Depth To Aquifer-<= 10 Feet
Category Value: 1

NPL Status: Currently on the Final NPL
Category Description: Distance To Nearest Population-> 0 And <= 1/4 Mile
Category Value: 10

Site Details:

Site Name: SAN FERNANDO VALLEY (AREA 1)
Site Status: Final
Site Zip: 91601
Site City: NORTH HOLLYWOOD
Site State: CA
Federal Site: No
Site County: LOS ANGELES
EPA Region: 09
Date Proposed: 10/15/84
Date Deleted: Not reported
Date Finalized: 06/10/86

Substance Details:

NPL Status: Currently on the Final NPL
Substance ID: Not reported
Substance: Not reported
CAS #: Not reported
Pathway: Not reported
Scoring: Not reported

NPL Status: Currently on the Final NPL
Substance ID: U044
Substance: CHLOROFORM
CAS #: 67-66-3
Pathway: GROUND WATER PATHWAY
Scoring: 4

NPL Status: Currently on the Final NPL
Substance ID: U210
Substance: TETRACHLOROETHENE
CAS #: 127-18-4

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SAN FERNANDO VALLEY (AREA 1) (Continued)

1000709322

Pathway: GROUND WATER PATHWAY
Scoring: 2

NPL Status: Currently on the Final NPL
Substance ID: U211
Substance: CARBON TETRACHLORIDE
CAS #: 56-23-5
Pathway: GROUND WATER PATHWAY
Scoring: 4

NPL Status: Currently on the Final NPL
Substance ID: U228
Substance: TRICHLOROETHYLENE (TCE)
CAS #: 79-01-6
Pathway: GROUND WATER PATHWAY
Scoring: 2

Summary Details:

Conditions at proposal October 15, 1984): San Fernando Valley Area I) is an area of contaminated ground water in the vicinity of the North Hollywood section of the City of Los Angeles, Los Angeles County, California. This area is part of the San Fernando Valley Basin, a natural underground reservoir that represents an important source of drinking water for at least 3 million people in the Los Angeles metropolitan area. The contaminated ground water, which underlies an area of approximately 5,156 acres, contains trichloroethylene TCE) and perchloroethylene PCE), and to a lesser extent, carbon tetrachloride and chloroform, according to analyses conducted by the California Department of Health Services, as well as numerous local government agencies. The State s recommended drinking water guideline for TCE and PCE 5 and 4 parts per billion respectively) are exceeded in a number of public wells in this area. To alleviate this contamination, wells are either taken out of service or blended with water from clean sources to ensure that the public receives water with TCE/PCE concentrations below the State s guidelines. Status June 10, 1986): EPA and the Los Angeles Department of Water and Power are entering into a cooperative agreement for a remedial investigation of the San Fernando Valley Basin and a feasibility study targeted at Area 1, the most contaminated area. The RI is scheduled to begin in early 1986.

Site Status Details:

NPL Status: Final
Proposed Date: 10/15/1984
Final Date: 06/10/1986
Deleted Date: Not reported

Narratives Details:

NPL Name: SAN FERNANDO VALLEY (AREA 1)
City: NORTH HOLLYWOOD
State: CA

CERCLIS:

Site ID: 0902251
Federal Facility: Not a Federal Facility
NPL Status: Currently on the Final NPL
Non NPL Status: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SAN FERNANDO VALLEY (AREA 1) (Continued)

1000709322

CERCLIS Site Contact Name(s):

Contact Name: David Stensby
Contact Tel: (415) 972-3246
Contact Title: Remedial Project Manager (RPM)

Contact Name: Karen Jurist
Contact Tel: (415) 972-3219
Contact Title: Site Assessment Manager (SAM)

Contact Name: Jeff Inglis
Contact Tel: (415) 972-3095
Contact Title: Site Assessment Manager (SAM)

Contact Name: Carl Brickner
Contact Tel: (415) 972-3814
Contact Title: Site Assessment Manager (SAM)

Contact Name: Kelly Manheimer
Contact Tel: (415) 972-3290
Contact Title: Remedial Project Manager (RPM)

Contact Name: Dawn Richmond
Contact Tel: (415) 972-3097
Contact Title: Site Assessment Manager (SAM)

Contact Name: Zizi Searles
Contact Tel: (415) 972-3178
Contact Title: Remedial Project Manager (RPM)

CERCLIS Site Alias Name(s):

Alias Name: SAN FERNANDO VALLEY- N HOLLYWOOD WELLFLD
Alias Address: Not reported
NORTH HOLLYWOOD & BURBANK, CA 91600

Alias Name: NORTH HOLLYWOOD OPERABLE UNIT
Alias Address: Not reported
CA

Alias Name: BURBANK OPERABLE UNIT
Alias Address: Not reported
CA

Alias Name: SAN FERNANDO VALLEY (AREA 1)
Alias Address: NORTH HOLLYWOOD WELLFIELD AREA
NORTH HOLLYWOOD, CA 91601

Alias Name: SAN FERNANDO VALLEY (AREA 1)
Alias Address: NORTH HOLLYWOOD WELLFIELD AREA
LOS ANGELES, CA 91601

Site Description: The North Hollywood Operable Unit (NHOU) is one of two geographically-defined operable units within the San Fernando Valley (SFV) (Area 1) Superfund Site. The NHOU comprises approximately 4 square miles of contaminated groundwater underlying an area of mixed industrial, commercial, and residential land use in the community of North Hollywood (a district of the City of Los Angeles). The NHOU is approximately 15 miles north of downtown Los Angeles and immediately west of the City of Burbank, and has approximate Site boundaries of Sun Valley and Interstate 5 to the north, State Highway 170 and Lankershim Boulevard to the west, the Burbank Airport to the east, and Burbank Boulevard to the south. The EPA is the lead agency for the current and planned future groundwater remedial activities at the NHOU. The EPA's response activities at the NHOU are

SAN FERNANDO VALLEY (AREA 1) (Continued)

1000709322

and have been conducted under the authority established in the federal Superfund law, the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), as amended, 42 U.S.C. Section 9601 et seq. The lead state agency is the California Department of Toxic Substances Control (DTSC). The Los Angeles Regional Water Quality Control Board (RWQCB) has provided and continues to provide substantial support, particularly with the investigation and cleanup of sources of contamination in the SFV. The expected source of cleanup monies for the NHOU is an enforcement settlement with the Potentially Responsible Parties (PRPs). Prior to World War II, most land in the SFV was occupied by farms, orchards, and ranchland. By 1949, after the war, nearly all the land in Burbank and North Hollywood was occupied by housing developments, industrial facilities, retail establishments, and the Burbank Airport. Accompanying these land use changes in the 1940s was a substantial increase in population and groundwater withdrawals from the SFV. In the 1950s, the North Hollywood, Erwin, Whitnall, and Verdugo Well Fields were constructed by the Los Angeles Department of Water and Power (LADWP) in the North Hollywood area to meet the increasing demand for water. In 1968, groundwater withdrawals from the SFV were reduced to achieve "safe yield" from the basin, and more surface water was imported to the basin from external sources. In 1979, industrial contamination was found in groundwater in the San Gabriel Valley (to the east of the SFV), prompting the California Department of Public Health (CDPH; formerly the California Department of Health Services) to request that all major water providers in the region, including those in the SFV, sample and analyze groundwater for potential industrial contaminants. Trichloroethylene (TCE) and tetrachloroethylene (PCE) were consistently detected in a large number of production wells in the SFV at concentrations greater than Federal and State Maximum Contaminant Levels (MCLs) for drinking water. TCE and PCE were widely used in the San Fernando Valley starting in the 1940s for dry cleaning and for degreasing machinery. Disposal was not well regulated at that time, and releases volatile organic compound (VOC)-contaminated groundwater that extends from the NHOU to the southeast. To replace wells within the NHOU area contaminated by TCE and PCE, and to provide more operational flexibility for groundwater recharge and pumping in the SFV, LADWP constructed the Rinaldi-Toluca Well Field in 1988 and 1989, and the Tujunga Well Field in 1993. Based on the significant levels of groundwater contamination present in the SFV and the impact of that contamination on numerous municipal water supply wells, EPA added four SFV Sites to the National Priorities List (NPL) in 1986 and defined them as areas of regional groundwater contamination. Three of the four Sites (Areas 1, 2 and 4) are contiguous areas within whose boundaries are well fields that serve the water supply systems for the cities of Los Angeles, Burbank and Glendale. There is a large, continuous plume of groundwater contamination that runs through these three Sites. The fourth Site, Area 3, lies in the Verdugo basin, a geographically separate area of the eastern San Fernando Valley. In the SFV Area 1 Site, located at the upgradient end of the contaminated groundwater plume, the selection and implementation of the initial interim remedy - the Existing NHOU Extraction and Treatment System - for the LADWP's North Hollywood well field was given fast-track status because of the potential for contamination to spread to other well fields and areas of uncontaminated groundwater. In 1986, LADWP completed the Operable Unit Feasibility Study for the North Hollywood Well Field Area of the North Hollywood-Burbank NPL Site, which was the basis for selection and implementation of the Existing NHOU Extraction and Treatment System. The 1987 Record of Decision (ROD) for the Site selected the Existing NHOU Extraction and Treatment System as an interim groundwater containment remedy. In 1989, LADWP constructed the Existing NHOU Extraction and Treatment System with financial support from EPA. The Existing NHOU Extraction and Treatment System consists of eight groundwater extraction wells (NHE-1 through NHE-8), an

Map ID
Direction
Distance
Elevation

MAP FINDINGS

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EDR ID Number
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SAN FERNANDO VALLEY (AREA 1) (Continued)

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air-stripping treatment system to remove VOCs from the extracted groundwater, activated carbon filters to remove VOCs from the air stream, and ancillary equipment. The treated groundwater is discharged into an LADWP blending facility where it is combined with water from other sources before entering the LADWP water supply system. The Existing NHOU Extraction and Treatment System commenced operation in December 1989 and remains in operation today. In 1989, EPA issued a ROD for the Burbank OU (BOU) of the SFV Area 1 Site. That ROD also selected an interim remedy (containment) for the VOC-contaminated groundwater within the Burbank area, where ten of the city's water supply wells had been shut down due to contamination. The BOU remedy, which provides treated water for the City of Burbank's water supply system, began operation in 1996 and remains in operation to this day. In December 1992, a remedial investigation (RI) for the SFV groundwater basin, including installation and subsequent regular monitoring of 84 groundwater wells, was completed under a cooperative agreement between EPA and the LADWP. The RI was conducted to evaluate the groundwater quality throughout the SFV basin and assist in identifying the best treatment method(s) and optimal locations to install groundwater treatment systems to address the SFV groundwater contamination. EPA listed the SFV Sites as groundwater only, with the intent to focus on addressing the regional groundwater contamination, with an agreement with the state agencies to address the sources. From the late 1980s to late 1990s, EPA provided funds to RWQCB to conduct assessments of facilities in the SFV to determine the extent of solvent usage and to assess past and current chemical handling, storage, and disposal practices. These investigations were conducted pursuant to RWQCB's Well Investigation Program and resulted in source remediation activities under RWQCB oversight at several facilities within the SFV, including two within the NHOU. Source investigations and remediation activities are currently in progress under the lead of RWQCB and DTSC. In 1993, 1998, 2003, and 2008, EPA conducted five-year reviews (as required by CERCLA) to evaluate the protectiveness of the NHOU interim remedy. The Third NHOU Five-Year Review reported that the TCE and PCE groundwater plume that the remedy was designed to capture was migrating vertically and laterally beyond the remedy's zone of hydraulic control. This conclusion was based largely on EPA's evaluation of the current NHOU groundwater conditions and LADWP findings in the Draft Evaluation of the North Hollywood Operable Unit and Options to Enhance Its Effectiveness. The Final Evaluation of the North Hollywood Operable Unit and Options to Enhance Its Effectiveness also raised concerns regarding detections of total chromium and hexavalent chromium in extraction well NHE-2 of the NHOU interim remedy. Well NHE-2 is located just a short distance from the former Bendix facility, one of the major VOC sources in the NHOU. In July 2006, after a year of unusually high rainfall and rising groundwater levels in the SFV, the total chromium concentration detected at NHOU extraction well NHE-2 began to increase. Chromium was used in the metal plating and aerospace industry (metal fabrication), as well as for corrosion inhibition in industrial cooling towers, from the 1940s through the 1980s. It was also used extensively at the former Bendix facility. In 2007, the elevated concentrations of chromium at well NHE-2 caused total chromium concentrations in the combined NHOU treatment system effluent to exceed 30 micrograms per liter (ug/L) (60 percent of the state MCL). As a result, CDPH advised LADWP to shut down well NHE-2 or divert the water produced by the well to a nonpotable use. Chromium concentrations at this well have subsequently ranged from approximately 280 to 440 ug/L. In addition, 1, 4-dioxane was detected at well NHE-2 during 2007 and 2008 at concentrations ranging from 4 to 7 ug/L. There is no MCL for 1, 4-dioxane, but the CDPH notification level for 1, 4-dioxane is 3 ug/L. Extraction well NHE-2 remained shut down until September 2008, when the installation of a wellhead VOC treatment unit and modification of the discharge piping were completed, which

Map ID
Direction
Distance
Elevation

MAP FINDINGS

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EPA ID Number

SAN FERNANDO VALLEY (AREA 1) (Continued)

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allowed this well to return to service. The NHE-2 effluent, which still contains elevated levels of chromium, is currently discharged to the Los Angeles Bureau of Sanitation sewer system. This work was conducted by Honeywell International (a corporate successor to Bendix) as an interim measure, pursuant to a Cleanup and Abatement Order (CAO) from RWQCB that requires Honeywell to clean up the chromium contamination and to restore lost water caused by the shut down of well NHE-2. A long-term wellhead treatment system for well NHE-2, including treatment for chromium and, if necessary, 1,4-dioxane, to meet drinking water standards is expected to be implemented pursuant to the RWQCB CAO prior to the implementation of the NHOU Second Interim Remedy. Following construction and start up of the Existing NHOU Extraction and Treatment System, EPA issued general and special notice letters to PRPs. In 1996 and 1997, EPA reached two separate settlements with PRPs in which the settling parties agreed to pay EPA's past costs and fund operation of the Existing NHOU Extraction and Treatment System for the remainder of its fifteen-year term. In 2008, when the funds collected pursuant to the 1996 and 1997 settlements were close to being exhausted, EPA entered into an administrative order on consent with a number of parties from 1996 and 1997 settlements and issued a unilateral administrative order to the remaining viable parties in order to secure funding to continue operating the Existing NHOU Extraction and Treatment System until the Second Interim Remedy is constructed and operational. In preparation for the selection and implementation of the Second Interim Remedy, EPA has conducted additional PRP search activity. The RWQCB has issued CAOs to two parties in the NHOU. In December 1987, Lockheed was issued a CAO directing it to remediate contaminated soil and groundwater at Plant B-1 (in the BOU) and to complete a comprehensive Site assessment at all of Lockheed's other Burbank Airport facilities, including Plants B5 and C1 (in the NHOU), to determine the sources and extent of soil and groundwater contamination. The RWQCB issued a CAO in February 2003 to Honeywell International, Inc., for VOC and chromium contamination in groundwater at the former Bendix facility in North Hollywood. This CAO was amended in April 2007 to include investigation and mitigation of emerging contaminants at the former Bendix facility and to address elevated chromium concentrations at NHOU extraction well NHE-2. The land use in the SFV Area 1 Site, including the NHOU, consists of mixed residential, industrial, and commercial use. The SFV is fully developed and land uses in the NHOU are not expected to change significantly in the next 20 years or longer. The SFV groundwater basin is an important source of drinking water for the Los Angeles metropolitan area, including the cities of Los Angeles, Glendale, Burbank, and San Fernando. The SFV is located in the Upper Los Angeles River Area (ULARA), which is under adjudicated water rights regulated by the ULARA Watermaster. Through court action in 1975, the City of Los Angeles was granted rights to all groundwater in the San Fernando Basin that is derived from precipitation within ULARA. There are a number of production well fields in the eastern SFV, including six LADWP well fields located in or near the NHOU. The output from the existing NHOU remedy accounts for approximately 1 to 2 percent of LADWP's total extraction from the SFV groundwater basin. The need for drinking water development in the eastern SFV, including the NHOU, is expected to increase over the next 20 years as restrictions on importing water to Southern California increase and imported water becomes more expensive. An Interim ROD addressing Operable Unit 4 was completed in September 2009.

CERCLIS Assessment History:

Action:	DISCOVERY
Date Started:	Not reported
Date Completed:	12/01/83
Priority Level:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SAN FERNANDO VALLEY (AREA 1) (Continued)

1000709322

Action:	HAZARD RANKING SYSTEM PACKAGE
Date Started:	Not reported
Date Completed:	04/01/84
Priority Level:	Not reported
Action:	PRELIMINARY ASSESSMENT
Date Started:	Not reported
Date Completed:	04/01/84
Priority Level:	Higher priority for further assessment
Action:	SITE INSPECTION
Date Started:	Not reported
Date Completed:	04/01/84
Priority Level:	Higher priority for further assessment
Action:	PROPOSAL TO NATIONAL PRIORITIES LIST
Date Started:	Not reported
Date Completed:	10/15/84
Priority Level:	Not reported
Action:	NATIONAL PRIORITIES LIST RESPONSIBLE PARTY SEARCH
Date Started:	09/30/84
Date Completed:	08/15/85
Priority Level:	Not reported
Action:	FINAL LISTING ON NATIONAL PRIORITIES LIST
Date Started:	Not reported
Date Completed:	06/10/86
Priority Level:	Not reported
Action:	COMBINED REMEDIAL INVESTIGATION/FEASIBILITY STUDY
Date Started:	08/16/85
Date Completed:	09/24/87
Priority Level:	Not reported
Action:	REMEDIAL DESIGN
Date Started:	04/01/87
Date Completed:	09/24/87
Priority Level:	Not reported
Action:	RECORD OF DECISION
Date Started:	Not reported
Date Completed:	09/24/87
Priority Level:	Not reported
Action:	Notice Letters Issued
Date Started:	Not reported
Date Completed:	08/24/88
Priority Level:	Not reported
Action:	Notice Letters Issued
Date Started:	Not reported
Date Completed:	04/13/89
Priority Level:	Not reported
Action:	COMBINED REMEDIAL INVESTIGATION/FEASIBILITY STUDY
Date Started:	01/15/88

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SAN FERNANDO VALLEY (AREA 1) (Continued)

1000709322

Date Completed:	06/30/89
Priority Level:	Not reported
Action:	RECORD OF DECISION
Date Started:	Not reported
Date Completed:	06/30/89
Priority Level:	Not reported
Action:	Special Notice Issued
Date Started:	Not reported
Date Completed:	06/30/89
Priority Level:	Not reported
Action:	Special Notice Issued
Date Started:	Not reported
Date Completed:	05/04/90
Priority Level:	Not reported
Action:	REMOVAL ASSESSMENT
Date Started:	08/29/90
Date Completed:	08/29/90
Priority Level:	Not reported
Action:	UNILATERAL ADMIN ORDER
Date Started:	Not reported
Date Completed:	08/30/90
Priority Level:	Not reported
Action:	Notice Letters Issued
Date Started:	Not reported
Date Completed:	08/30/90
Priority Level:	Not reported
Action:	Explanation Of Significant Differences
Date Started:	Not reported
Date Completed:	11/12/90
Priority Level:	Not reported
Action:	Special Notice Issued
Date Started:	Not reported
Date Completed:	11/20/90
Priority Level:	Not reported
Action:	REMEDIAL DESIGN/REMEDIAL ACTION NEGOTIATIONS
Date Started:	05/04/89
Date Completed:	03/28/91
Priority Level:	Not reported
Action:	REMOVAL
Date Started:	08/27/90
Date Completed:	05/23/91
Priority Level:	Cleaned up
Action:	REMOVAL COMMUNITY RELATIONS
Date Started:	09/11/90
Date Completed:	05/23/91
Priority Level:	Not reported

Map ID
Direction
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SAN FERNANDO VALLEY (AREA 1) (Continued)

1000709322

Action: REMOVAL ASSESSMENT
Date Started: 06/17/91
Date Completed: 06/17/91
Priority Level: Not reported

Action: REMEDIAL ACTION
Date Started: 08/06/87
Date Completed: 09/04/91
Priority Level: Not reported

Action: NATIONAL PRIORITIES LIST RESPONSIBLE PARTY SEARCH
Date Started: 08/16/90
Date Completed: 09/30/91
Priority Level: Not reported

Action: CONSENT DECREE
Date Started: 03/28/91
Date Completed: 03/25/92
Priority Level: Not reported

Action: UNILATERAL ADMIN ORDER
Date Started: Not reported
Date Completed: 03/26/92
Priority Level: Not reported

Action: RISK/HEALTH ASSESSMENT
Date Started: Not reported
Date Completed: 12/15/92
Priority Level: Not reported

Action: ECOLOGICAL RISK ASSESSMENT
Date Started: Not reported
Date Completed: 12/15/92
Priority Level: Not reported

Action: PREPARATION OF COST DOCUMENT PACKAGE
Date Started: Not reported
Date Completed: 06/17/93
Priority Level: Not reported

Action: NATIONAL PRIORITIES LIST RESPONSIBLE PARTY SEARCH
Date Started: 09/25/89
Date Completed: 06/30/93
Priority Level: Not reported

Action: FIVE-YEAR REVIEW
Date Started: 07/08/93
Date Completed: 07/08/93
Priority Level: Not reported

Action: POTENTIALLY RESPONSIBLE PARTY REMEDIAL DESIGN
Date Started: 03/25/92
Date Completed: 11/22/93
Priority Level: Not reported

Action: POTENTIALLY RESPONSIBLE PARTY REMEDIAL DESIGN
Date Started: 07/27/92

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SAN FERNANDO VALLEY (AREA 1) (Continued)

1000709322

Date Completed:	11/22/93
Priority Level:	Not reported
Action:	UNILATERAL ADMIN ORDER
Date Started:	Not reported
Date Completed:	02/18/94
Priority Level:	Not reported
Action:	PREPARATION OF COST DOCUMENT PACKAGE
Date Started:	03/24/94
Date Completed:	06/24/94
Priority Level:	Not reported
Action:	POTENTIALLY RESPONSIBLE PARTY REMEDIAL INVESTIGATION/FEASIBILITY STUDY
Date Started:	02/18/94
Date Completed:	09/09/94
Priority Level:	Not reported
Action:	POTENTIALLY RESPONSIBLE PARTY REMEDIAL INVESTIGATION
Date Started:	02/18/94
Date Completed:	09/09/94
Priority Level:	Not reported
Action:	PREPARATION OF COST DOCUMENT PACKAGE
Date Started:	09/04/94
Date Completed:	02/13/95
Priority Level:	Not reported
Action:	PREPARATION OF COST DOCUMENT PACKAGE
Date Started:	10/17/95
Date Completed:	01/26/96
Priority Level:	Not reported
Action:	Lodged By DOJ
Date Started:	Not reported
Date Completed:	02/21/96
Priority Level:	Not reported
Action:	Lodged By DOJ
Date Started:	Not reported
Date Completed:	03/14/96
Priority Level:	Not reported
Action:	CONSENT DECREE
Date Started:	01/02/96
Date Completed:	07/01/96
Priority Level:	Not reported
Action:	CONSENT DECREE
Date Started:	02/12/96
Date Completed:	08/01/96
Priority Level:	Not reported
Action:	SECTION 107 LITIGATION
Date Started:	03/19/93
Date Completed:	01/14/97

Map ID
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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

SAN FERNANDO VALLEY (AREA 1) (Continued)

1000709322

Priority Level:	Not reported
Action:	COST RECOVERY NEGOTIATIONS
Date Started:	07/16/93
Date Completed:	01/14/97
Priority Level:	Not reported
Action:	Explanation Of Significant Differences
Date Started:	Not reported
Date Completed:	02/12/97
Priority Level:	Not reported
Action:	Lodged By DOJ
Date Started:	Not reported
Date Completed:	02/18/97
Priority Level:	Not reported
Action:	Lodged By DOJ
Date Started:	Not reported
Date Completed:	02/18/97
Priority Level:	Not reported
Action:	CONSENT DECREE
Date Started:	01/14/97
Date Completed:	05/14/97
Priority Level:	Not reported
Action:	CONSENT DECREE
Date Started:	Not reported
Date Completed:	05/14/97
Priority Level:	Not reported
Action:	REMEDIAL DESIGN/REMEDIAL ACTION NEGOTIATIONS
Date Started:	05/04/94
Date Completed:	08/07/97
Priority Level:	Not reported
Action:	POTENTIALLY RESPONSIBLE PARTY REMEDIAL DESIGN
Date Started:	03/25/92
Date Completed:	09/30/97
Priority Level:	Not reported
Action:	Lodged By DOJ
Date Started:	Not reported
Date Completed:	03/17/98
Priority Level:	Not reported
Action:	CONSENT DECREE
Date Started:	08/07/97
Date Completed:	06/22/98
Priority Level:	Not reported
Action:	ADMINISTRATIVE ORDER ON CONSENT
Date Started:	Not reported
Date Completed:	06/30/98
Priority Level:	Not reported

Map ID
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Elevation

MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

SAN FERNANDO VALLEY (AREA 1) (Continued)

1000709322

Action:	FIVE-YEAR REVIEW
Date Started:	Not reported
Date Completed:	08/17/98
Priority Level:	Not reported
Action:	ADMINISTRATIVE ORDER ON CONSENT
Date Started:	Not reported
Date Completed:	12/30/98
Priority Level:	Not reported
Action:	LONG TERM RESPONSE ACTION
Date Started:	12/01/89
Date Completed:	12/01/99
Priority Level:	Not reported
Action:	FIVE-YEAR REVIEW
Date Started:	06/20/03
Date Completed:	09/30/03
Priority Level:	Not reported
Action:	FIVE-YEAR REVIEW
Date Started:	04/15/04
Date Completed:	09/30/04
Priority Level:	Not reported
Action:	UNILATERAL ADMIN ORDER
Date Started:	Not reported
Date Completed:	03/29/07
Priority Level:	Not reported
Action:	Notice of Intent by All Parties
Date Started:	Not reported
Date Completed:	03/29/07
Priority Level:	Not reported
Action:	NEGOTIATION (GENERIC)
Date Started:	Not reported
Date Completed:	09/16/08
Priority Level:	Not reported
Action:	ADMINISTRATIVE ORDER ON CONSENT
Date Started:	Not reported
Date Completed:	09/16/08
Priority Level:	Not reported
Action:	UNILATERAL ADMIN ORDER
Date Started:	Not reported
Date Completed:	09/18/08
Priority Level:	Not reported
Action:	FIVE-YEAR REVIEW
Date Started:	Not reported
Date Completed:	09/30/08
Priority Level:	Not reported
Action:	FEASIBILITY STUDY
Date Started:	01/23/06

Map ID
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SAN FERNANDO VALLEY (AREA 1) (Continued)

1000709322

Date Completed: 09/30/09
Priority Level: Not reported

Action: RECORD OF DECISION
Date Started: Not reported
Date Completed: 09/30/09
Priority Level: Not reported

Action: ADMINISTRATIVE ORDER ON CONSENT
Date Started: Not reported
Date Completed: 12/29/09
Priority Level: Not reported

Action: Special Notice Issued
Date Started: Not reported
Date Completed: 07/01/10
Priority Level: Not reported

Action: COMBINED REMEDIAL INVESTIGATION/FEASIBILITY STUDY
Date Started: 08/16/85
Date Completed: Not reported
Priority Level: Not reported

Action: TECHNICAL ASSISTANCE
Date Started: 09/30/85
Date Completed: Not reported
Priority Level: Not reported

Action: POTENTIALLY RESPONSIBLE PARTY REMEDIAL ACTION
Date Started: 11/22/93
Date Completed: Not reported
Priority Level: Not reported

Action: POTENTIALLY RESPONSIBLE PARTY REMEDIAL ACTION
Date Started: 11/22/93
Date Completed: Not reported
Priority Level: Not reported

Action: POTENTIALLY RESPONSIBLE PARTY REMEDIAL ACTION
Date Started: 09/30/97
Date Completed: Not reported
Priority Level: Not reported

Action: OPERATIONS AND MAINTENANCE
Date Started: 12/01/99
Date Completed: Not reported
Priority Level: Not reported

US ENG CONTROLS:

EPA ID: CAD980894893
Site ID: 0902251
Name: SAN FERNANDO VALLEY (AREA 1)
Address: NORTH HOLLYWOOD WELLFIELD AREA
NORTH HOLLYWOOD, CA 91601
EPA Region: 09
County: LOS ANGELES

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
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SAN FERNANDO VALLEY (AREA 1) (Continued)

1000709322

Event Code: Not reported
Actual Date: Not reported

Action ID: 002
Action Name: RECORD OF DECISION
Action Completion date: 06/30/89
Planned Complet. date: 06/30/89
Operable Unit: 03
Contaminated Media : Groundwater
Engineering Control: Carbon Adsorption

Action ID: 003
Action Name: RECORD OF DECISION
Action Completion date: 09/24/87
Planned Complet. date: 09/30/87
Operable Unit: 02
Contaminated Media : Groundwater
Engineering Control: Aeration

Action ID: 003
Action Name: RECORD OF DECISION
Action Completion date: 09/24/87
Planned Complet. date: 09/30/87
Operable Unit: 02
Contaminated Media : Groundwater
Engineering Control: Carbon Adsorption

Action ID: 003
Action Name: RECORD OF DECISION
Action Completion date: 09/24/87
Planned Complet. date: 09/30/87
Operable Unit: 02
Contaminated Media : Groundwater
Engineering Control: Containment, (N.O.S.)

Action ID: 003
Action Name: RECORD OF DECISION
Action Completion date: 09/24/87
Planned Complet. date: 09/30/87
Operable Unit: 02
Contaminated Media : Groundwater
Engineering Control: Discharge

Action ID: 003
Action Name: RECORD OF DECISION
Action Completion date: 09/24/87
Planned Complet. date: 09/30/87
Operable Unit: 02
Contaminated Media : Groundwater
Engineering Control: Extraction

Action ID: 004
Action Name: RECORD OF DECISION
Action Completion date: 09/30/09
Planned Complet. date: 09/30/09
Operable Unit: 04
Contaminated Media : Groundwater

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SAN FERNANDO VALLEY (AREA 1) (Continued)

1000709322

Engineering Control: Air Stripping

Action ID: 004
Action Name: RECORD OF DECISION
Action Completion date: 09/30/09
Planned Complet. date: 09/30/09
Operable Unit: 04
Contaminated Media : Groundwater
Engineering Control: Extraction

Action ID: 004
Action Name: RECORD OF DECISION
Action Completion date: 09/30/09
Planned Complet. date: 09/30/09
Operable Unit: 04
Contaminated Media : Groundwater
Engineering Control: Filtration

Action ID: 004
Action Name: RECORD OF DECISION
Action Completion date: 09/30/09
Planned Complet. date: 09/30/09
Operable Unit: 04
Contaminated Media : Groundwater
Engineering Control: Ion Exchange

Action ID: 004
Action Name: RECORD OF DECISION
Action Completion date: 09/30/09
Planned Complet. date: 09/30/09
Operable Unit: 04
Contaminated Media : Groundwater
Engineering Control: Liquid Phase Carbon Adsorption

Action ID: 004
Action Name: RECORD OF DECISION
Action Completion date: 09/30/09
Planned Complet. date: 09/30/09
Operable Unit: 04
Contaminated Media : Groundwater
Engineering Control: Monitoring

Action ID: 004
Action Name: RECORD OF DECISION
Action Completion date: 09/30/09
Planned Complet. date: 09/30/09
Operable Unit: 04
Contaminated Media : Groundwater
Engineering Control: Well Head Treatment

US INST CONTROL:

EPA ID: CAD980894893
Site ID: 0902251
Name: SAN FERNANDO VALLEY (AREA 1)
Action Name: RECORD OF DECISION
Address: NORTH HOLLYWOOD WELLFIELD AREA

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EDR ID Number
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SAN FERNANDO VALLEY (AREA 1) (Continued)

1000709322

EPA Region: NORTH HOLLYWOOD, CA 91601
County: 09
Event Code: LOS ANGELES
Inst. Control: Not reported
Actual Date: Groundwater use/well drilling regulation
Comple. Date: Not reported
Operable Unit: 09/30/09
Contaminated Media : 04
Groundwater

CONSENT:

EPA ID: CAD980894893
Site ID: Not reported
Case Title: U.S. V. ALLIED-SIGNAL, ET AL.
Court Num: 93-6490
District: California, Cent
Entered Date: 19970514
Full-text of the consent decree for this site issued by the United States District Court is available from EDR. Contact your EDR Account Executive.

ROD:

Full-text of USEPA Record of Decision(s) is available from EDR.

FINDS:

Registry ID: 110009267961

Environmental Interest/Information System

California Department of Toxic Substances Control EnviroStor System (DTSC-EnviroStor) is an online search and Geographic Information System (GIS) tool for identifying sites that have known contamination or sites for which there may be reasons to investigate further. The EnviroStor database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites.

CERCLIS (Comprehensive Environmental Response, Compensation, and Liability Information System) is the Superfund database that is used to support management in all phases of the Superfund program. The system contains information on all aspects of hazardous waste sites, including an inventory of sites, planned and actual site activities, and financial information.

ICIS (Integrated Compliance Information System) is the Integrated Compliance Information System and provides a database that, when complete, will contain integrated Enforcement and Compliance information across most of EPA's programs. The vision for ICIS is to replace EPA's independent databases that contain Enforcement data with a single repository for that information. Currently, ICIS contains all Federal Administrative and Judicial enforcement actions. This information is maintained in ICIS by EPA in the Regional offices and its Headquarters. A future release of ICIS will replace the Permit Compliance System (PCS) which supports the NPDES and will integrate that information with Federal actions already in the system. ICIS also

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SAN FERNANDO VALLEY (AREA 1) (Continued)

1000709322

has the capability to track other activities occurring in the Region that support Compliance and Enforcement programs. These include; Incident Tracking, Compliance Assistance, and Compliance Monitoring.

HISTORICAL CAL-SITES:

Facility ID: 19990011
Region: 3
Region Name: GLENDALE
Branch: SA
Branch Name: SO CAL - GLENDALE
File Name: Not reported
State Senate District: 05151996
Status: AWP - ANNUAL WORKPLAN (AWP) - ACTIVE SITE
Status Name: ANNUAL WORKPLAN - ACTIVE SITE
Lead Agency: EPA
Lead Agency: ENVIRONMENTAL PROTECTION AGENCY
Facility Type: NPJF
Type Name: NPL SITE, JOINT STATE/FEDERAL-FUNDED
NPL: Listed
SIC Code: 99
SIC Name: NONCLASSIFIABLE ESTABLISHMENTS
Access: Not reported
Cortese: Not reported
Hazardous Ranking Score: Not reported
Date Site Hazard Ranked: Not reported
Groundwater Contamination: Confirmed
Staff Member Responsible for Site: TYARGEAU
Supervisor Responsible for Site: Not reported
Region Water Control Board: LA
Region Water Control Board Name: LOS ANGELES
Lat/Long Direction: Not reported
Lat/Long (dms): 0 0 0 / 0 0 0
Lat/Long Method: Not reported
Lat/Long Description: Not reported
State Assembly District Code: 43
State Senate District Code: 20
Facility ID: 19990011
Activity: RAP
Activity Name: REMEDIAL ACTION PLAN / RECORD OF DECISION
AWP Code: NH
Proposed Budget: 0
AWP Completion Date: Not reported
Revised Due Date: Not reported
Comments Date: 09301987
Est Person-Yrs to complete: 0
Estimated Size: Not reported
Request to Delete Activity: Not reported
Activity Status: AWP
Definition of Status: ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals): 0
Liquids Treated (Gals): 0
Action Included Capping: Not reported
Well Decommissioned: Not reported
Action Included Fencing: Not reported
Removal Action Certification: Not reported
Activity Comments: Not reported

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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

SAN FERNANDO VALLEY (AREA 1) (Continued)

1000709322

For Commercial Reuse: 0
For Industrial Reuse: 0
For Residential Reuse: 0
Unknown Type: 0
Facility ID: 19990011
Activity: RIFS
Activity Name: REMEDIAL INVESTIGATION / FEASIBILITY STUDY
AWP Code: NH
Proposed Budget: 0
AWP Completion Date: Not reported
Revised Due Date: Not reported
Comments Date: 09301987
Est Person-Yrs to complete: 0
Estimated Size: Not reported
Request to Delete Activity: Not reported
Activity Status: AWP
Definition of Status: ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals): 0
Liquids Treated (Gals): 0
Action Included Capping: Not reported
Well Decommissioned: Not reported
Action Included Fencing: Not reported
Removal Action Certification: Not reported
Activity Comments: Not reported
For Commercial Reuse: 0
For Industrial Reuse: 0
For Residential Reuse: 0
Unknown Type: 0
Facility ID: 19990011
Activity: RA
Activity Name: REMOVAL ACTION
AWP Code: NH
Proposed Budget: 0
AWP Completion Date: Not reported
Revised Due Date: Not reported
Comments Date: 03311989
Est Person-Yrs to complete: 0
Estimated Size: Not reported
Request to Delete Activity: Not reported
Activity Status: AWP
Definition of Status: ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals): 0
Liquids Treated (Gals): 0
Action Included Capping: Not reported
Well Decommissioned: Not reported
Action Included Fencing: Not reported
Removal Action Certification: Not reported
Activity Comments: Not reported
For Commercial Reuse: 0
For Industrial Reuse: 0
For Residential Reuse: 0
Unknown Type: 0
Facility ID: 19990011
Activity: RAP
Activity Name: REMEDIAL ACTION PLAN / RECORD OF DECISION
AWP Code: B
Proposed Budget: 0

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Database(s)

EDR ID Number
EPA ID Number

SAN FERNANDO VALLEY (AREA 1) (Continued)

1000709322

AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	06301989
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19990011
Activity:	RIFS
Activity Name:	REMEDIAL INVESTIGATION / FEASIBILITY STUDY
AWP Code:	B
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	06301989
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19990011
Activity:	PPP
Activity Name:	PUBLIC PARTICIPATION PLAN
AWP Code:	Not reported
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	04301990
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0

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Database(s)

EDR ID Number
EPA ID Number

SAN FERNANDO VALLEY (AREA 1) (Continued)

1000709322

Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19990011
Activity:	DES
Activity Name:	DESIGN
AWP Code:	B-PH1
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	03311997
Est Person-Yrs to complete:	0.30000
Estimated Size:	X
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19990011
Activity:	COST
Activity Name:	COST RECOVERY
AWP Code:	NH1/1
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	09041996
Est Person-Yrs to complete:	0
Estimated Size:	X
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0

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Database(s)

EDR ID Number
EPA ID Number

SAN FERNANDO VALLEY (AREA 1) (Continued)

1000709322

Unknown Type: 0
Facility ID: 19990011
Activity: OM
Activity Name: OPERATION & MAINTENANCE
AWP Code: NH OU
Proposed Budget: 0
AWP Completion Date: 06302009
Revised Due Date: Not reported
Comments Date: Not reported
Est Person-Yrs to complete: 0
Estimated Size: M
Request to Delete Activity: Not reported
Activity Status: AWP
Definition of Status: ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals): 0
Liquids Treated (Gals): 0
Action Included Capping: Not reported
Well Decommissioned: Not reported
Action Included Fencing: Not reported
Removal Action Certification: Not reported
Activity Comments: Not reported
For Commercial Reuse: 0
For Industrial Reuse: 0
For Residential Reuse: 0
Unknown Type: 0
Facility ID: 19990011
Activity: COST
Activity Name: COST RECOVERY
AWP Code: NH2/1
Proposed Budget: 0
AWP Completion Date: Not reported
Revised Due Date: Not reported
Comments Date: 06201997
Est Person-Yrs to complete: 0
Estimated Size: Not reported
Request to Delete Activity: Not reported
Activity Status: AWP
Definition of Status: ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals): 0
Liquids Treated (Gals): 0
Action Included Capping: Not reported
Well Decommissioned: Not reported
Action Included Fencing: Not reported
Removal Action Certification: Not reported
Activity Comments: Not reported
For Commercial Reuse: 0
For Industrial Reuse: 0
For Residential Reuse: 0
Unknown Type: 0
Facility ID: 19990011
Activity: DES
Activity Name: DESIGN
AWP Code: B-PH2
Proposed Budget: 0
AWP Completion Date: Not reported
Revised Due Date: Not reported
Comments Date: 11171997

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EDR ID Number
EPA ID Number

SAN FERNANDO VALLEY (AREA 1) (Continued)

1000709322

Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19990011
Activity:	ORDER
Activity Name:	I/SE, IORSE, FFA, FFSRA, VCA, EA
AWP Code:	CSNH1
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	08011996
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19990011
Activity:	ORDER
Activity Name:	I/SE, IORSE, FFA, FFSRA, VCA, EA
AWP Code:	CSNH2
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	05141997
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SAN FERNANDO VALLEY (AREA 1) (Continued)

1000709322

Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19990011
Activity:	ORDER
Activity Name:	I/SE, IORSE, FFA, FFSRA, VCA, EA
AWP Code:	CD-B2
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	06241997
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19990011
Activity:	5YEAR
Activity Name:	FIVE-YEAR REVIEW REQUIRED BY CERCLA
AWP Code:	NH OU
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	08171998
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Alternate Address:	NORTH HOLLYWOOD AREA
Alternate City,St,Zip:	NORTH HOLLYWOOD, CA 91606

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SAN FERNANDO VALLEY (AREA 1) (Continued)

1000709322

Alternate Address: NORTH HOLLYWOOD WELLFIELD AREA
Alternate City,St,Zip: LOS ANGELES, CA 91601
Alternate Address: BURBANK
Alternate City,St,Zip: BURBANK, CA 91502
Background Info: The San Fernando Valley Ground Water Basin (SFVGWB) is located within the Upper Los Angeles River Area, and consists of the eastern portion of the San Fernando Valley and the entire Verdugo Basin. The SFVGWB encompasses approximately 112,000 acres of alluvial valley fill deposits and provides enough water to serve approximately 600,000 residents. The Basin is bounded on the north and the northwest by the Santa Susana Mountains, on the northeast by the San Gabriel Mountains, on the west by the Simi Hills and on the south by the Santa Monica Mountains. The San Fernando Valley Study area includes four National Priorities List (NPL) sites. They are:
Area #1 - North Hollywood NPL Site covers 9336 acres in the eastern part of the San Fernando Valley. The site has been divided into the North Hollywood Operable Unit(OU) and the Burbank OU.
Area #2 - Crystal Springs NPL Site covers 3975 acres located southeast of the North Hollywood NPL site and is in the cities of Glendale and Los Angeles.
Area #3 - Verdugo NPL Site covers 2673 acres in the eastern part of the SF Valley and is located in and adjacent to La Crescenta in the Verdugo Mountains.
Area #4 - the Pollock NPL Site covers 1635 acres in the south-eastern part of the San Fernando Valley and is located in and adjacent to the cities of Los Angeles and Glendale.
Groundwater contamination in the SFVGWB is linked to prewar, postwar, and current industrialization in the San Fernando Valley.
The primary contaminants of concern are the volatile organic compounds (VOCs) trichloroethylene (TCE) and tetrachloroethylene (PCE). These compounds have been and/or are being used in many San Fernando Valley industries, such as aeronautical, automotive dry cleaning, and metal plating. These solvents have found their way to the groundwater basin as a result of both past and improper use, storage and disposal practices. The SFVGWB Superfund sites, added to the NPL in 1986, are areas where groundwater from wells have been found to contain VOCs above the state and federal drinking water standards. Groundwater contamination in numerous wells have been so severe with TCE and PCE that these wells have essentially been put out of commission. Exposure of receptors to contaminants can possibly occur through ingestion of contaminated drinking water, inhalation of VOC vapors released from the contaminated water as in taking showers, and dermal exposure as in washing or bathing. However, with the strict regulatory control over water quality by the State's Department of Health, Office of Drinking Water (ODW), the RWQCB, and other agencies, residents are assured that the water they consume is safe and that no one is drinking water which contains concentrations of contaminants above regulatory standards. Federal, state, and local agencies have been conducting investigations and cleanup of contaminated groundwater in the San Fernando Valley since contamination was discovered in 1979. These activities involve measuring the extent of contamination, developing and implementing

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SAN FERNANDO VALLEY (AREA 1) (Continued)

1000709322

cleanup remedies, and identifying responsible parties. EPA provided oversight of the basinwide Remedial Investigation (RI) of groundwater contamination conducted by the Los Angeles Department of Water and Power (LADWP). The RI objectives were to collect lithological and water quality data and information regarding basin operations for the eastern SF and Verdugo basins; develop a regional characterization of geology, hydrology, hydrogeology and the nature and extent of groundwater contamination within the eastern and Verdugo basins; study fate and transport of compounds in the environment; identify Applicable or Relevant and Appropriate Requirements; (ARAR's) and evaluate the potential risk to human health and the environment. The Remedial Investigation of the SFVGWB was divided into two phases.

Phase I activities have included vertical profile borings and installation of monitoring wells to obtain preliminary contamination information. Monitoring wells have been installed as follows: 34 in North Hollywood (Area #1); 29 in Crystal Springs (Area #2); 7 in Verdugo (Area #3); and 17 in Pollock (Area #4).

Information obtained from Phase I investigation activities identified the need for several operable units. Operable Unit is a federal term which is similar to the State's definition of a removal action.

Phase II activities consist of a basinwide remedial investigation conducted by the LADWP.

Remedial Actions (RAs):

North Hollywood (Area #1) -- Two RAs were identified for Area #1, the North Hollywood OU and the Burbank OU.

A Record of Decision (ROD) for the North Hollywood RA was signed in September 1987, selecting groundwater extraction and treatment (air stripping) of 2,000 gallons per minute (gpm) of contaminated water as an interim remedy. This RA was constructed with funding from EPA and the State and has been treating contaminated groundwater since March 1989. This facility is located at 11845 Vose Street in the N. Hollywood section of Los Angeles.

A ROD for the Burbank OU was signed in June 1989, again selecting groundwater extraction and treatment of about 12,000 gpm of contaminated water. Phase I of the Burbank OU began operations in January 1996 treating groundwater at a rate of 6,000 gpm. Phase II began operations in May 1998 adding an additional 3,000 gpm to the Burbank OU's treatment capacity.

Crystal Springs (Area #2) -- LADWP has completed a focused RI/FS for this proposed RA. The Glendale OU has been separated into a North OU and a South OU based on the amount of contamination and the facilities contributing to the GW contamination. A ROD for each OU was signed on June 18, 1993 designating groundwater extraction and treatment as the interim remedy. The PRPs have formed a group and combined the RA efforts for each OU into one document. The selected alternative is GW extraction and treatment. The Glendale OU began operations in September 2000.

Verdugo and Pollock (Areas #3 and #4) --

Currently no RAs have been identified for Area #3 or for Area #4. In October 2003 US EPA proposed No Remedial Action for

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SAN FERNANDO VALLEY (AREA 1) (Continued)

1000709322

Verdugo Basin (Area #3).

Another contaminant of concern, hexavalent chromium, has been identified in the San Fernando Valley Groundwater Basin.

EPA and the RWQCB are currently identifying potential sources of contamination and pursuing PRPs that may be responsible for contaminating groundwater. As these PRPs are identified, individual site investigations and mitigation activities will be pursued. Enforceable agreements and orders will be implemented at numerous specific potential source sites within the Basin by RWQCB and DTSC

Comments Date: 01011984
Comments: Groundwater contaminated with TCE and PCE is discovered.
Comments Date: 01011984
Comments: Site covers approximately 5254 acres.
Comments Date: 04141996
Comments: Consent Decree between EPA, DTSC and settling PRPs lodged
Comments Date: 04141996
Comments: with the court. Negotiations with non-settling PRPs
Comments Date: 04141996
Comments: continue.
Comments Date: 04241994
Comments: The U.S. EPA is in the process of recovering costs from
Comments Date: 04241994
Comments: the PRPs. DOJ is pursuing the cost recovery for DTSC.
Comments Date: 04241994
Comments: The cooperative PRPs are willing to settle if they are
Comments Date: 04241994
Comments: guaranteed contribution protection from the non-settling
Comments Date: 04241994
Comments: PRPs (so that they cannot be named as a party to the
Comments Date: 04241994
Comments: suit by the non-settling PRPs). DTSC is providing
Comments Date: 04241994
Comments: documentation to DOJ (i.e. timesheets) to determine
Comments Date: 04241994
Comments: staff time charged to the project. EPA is pursuing
Comments Date: 04241994
Comments: legal action against the non-settling PRPs to recover
Comments Date: 04241994
Comments: costs of past and future oversight.
Comments Date: 05022002
Comments: EPA issues fine against Lockheed Martin for 1.37 million for
Comments Date: 05022002
Comments: Force Majeure claim on Burbank Operable Unit.
Comments Date: 05131998
Comments: 11/17/97-The phase 2 design adds an additional well (wp-180)
Comments Date: 05131998
Comments: and pipeline for extraction and treatment at the Burbank
Comments Date: 05131998
Comments: operable unit. This adds an additional 3,000 gpm to the treatmen
Comments Date: 05131998
Comments: system. Additional amendments to the design include changing the
Comments Date: 05131998
Comments: Liquid Phase Granular Activated Carbon (LPGAC) bed system from an
Comments Date: 05131998
Comments: upflow to a downflow configuration, and the addition of a LPGAC

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SAN FERNANDO VALLEY (AREA 1) (Continued)

1000709322

Comments Date: 05131998
 Comments: backflush filtration system for continuous backflush to the
 Comments Date: 05131998
 Comments: plant's storm drain discharge.
 Comments Date: 05141997
 Comments: The second partial consent decree to recover DTSC's past cost is
 Comments Date: 05141997
 Comments: signed on May 14, 1997. This also concludes the litigation for
 Comments Date: 05141997
 Comments: the interim remedy at the North Hollywood OU.
 Comments Date: 06201997
 Comments: DTSC recovers costs in accordance with the Second Partial
 Comments Date: 06201997
 Comments: Consent Decree for the interim remedy at the NHOU. Two
 Comments Date: 06201997
 Comments: additional payments are due by 5/14/98 and and 5/14/99.
 Comments Date: 06241997
 Comments: A second partial Consent Decree, dated June 24, 1997, requires
 Comments Date: 06241997
 Comments: reimbursement to the State by Lockheed-Martin of certain past
 Comments Date: 06241997
 Comments: costs and annual billing for future site specific response costs.
 Comments Date: 08011996
 Comments: The first partial consent decree is entered by the Federal
 Comments Date: 08011996
 Comments: District court on August 1, 1996.
 Comments Date: 08171998
 Comments: A second 5-year review of remedial activities is conducted at
 Comments Date: 08171998
 Comments: the North Hollywood OU (NHOU) and covers operations from 1993
 Comments Date: 08171998
 Comments: thru 1997. The purpose was to evaluate whether the NH Interim
 Comments Date: 08171998
 Comments: Remedy achieved the objectives specified in the ROD. The
 Comments Date: 08171998
 Comments: findings of the 5-year review are that the objectives of the
 Comments Date: 08171998
 Comments: ROD have been met.
 Comments Date: 09041996
 Comments: Costs are recovered by DTSC in accordance with the First
 Comments Date: 09041996
 Comments: Partial Consent Decree for interim remedial action at the North
 Comments Date: 09041996
 Comments: Hollywood OU (NHOU). An additional payment is due by 08/01/97.
 Comments Date: 09202001
 Comments: The facility has been operating continuously with six water
 Comments Date: 09202001
 Comments: supply wells on line. This past quarter approximately 175
 Comments Date: 09202001
 Comments: million gallons of water was treated down to non-detect levels
 Comments Date: 09202001
 Comments: of contamination.
 Comments Date: 12191999
 Comments: Negotiating new state superfund contract between U.S. EPA, DTSC,
 Comments Date: 12191999
 Comments: and the Los Angeles Department of Water and Power to provide for
 Comments Date: 12191999

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SAN FERNANDO VALLEY (AREA 1) (Continued)

1000709322

Comments: continued funding of operation and maintenance of the NHOU.
ID Name: CALSTARS CODE
ID Value: 300127
ID Name: CALSTARS CODE
ID Value: 300126
ID Name: BEP DATABASE PCODE
ID Value: P31031
Alternate Name: SAN FERNANDO VALLEY GW BASIN AREA 1NORTH HOLLYWOOD OUFSSAN FERNANDO VALLEY (AREA 1)BURBANK OU
Special Programs Code: MSCA
Special Programs Name: MULTI-SITE COOPERATIVE AGREEMENT

Cortese:
Region: CORTESE
Envirostor Id: 19990011
Site/Facility Type: FEDERAL SUPERFUND - LISTED
Cleanup Status: ACTIVE
Status Date: 5/15/1996
Site Code: 300126, 300173
Latitude: 34.1875
Longitude: -118.383888888889

ENVIROSTOR:
Site Type: Federal Superfund
Site Type Detailed: State Response or NPL
Acres: 5254
NPL: YES
Regulatory Agencies: SMBRP, RWQCB 4 - Los Angeles, US EPA
Lead Agency: US EPA
Program Manager: POONAM ACHARYA
Supervisor: Rita Kamat
Division Branch: Cleanup Chatsworth
Facility ID: 19990011
Site Code: 300173
Assembly: 43
Senate: 20
Special Program: Not reported
Status: Active
Status Date: 5/15/1996
Restricted Use: NO
Site Mgmt. Req.: NONE SPECIFIED
Funding: Responsible Party
Latitude: 34.1875
Longitude: -118.383888888889
APN: NONE SPECIFIED
Past Use: AEROSPACE MANUFACTURING/MAINTENANCE, MACHINE SHOP, MANUFACTURING - METAL, METAL FINISHING, METAL PLATING - CHROME, METAL PLATING - OTHER, RESEARCH - AEROSPACE
Potential COC: 30022, 30026, 30027, 30152, 30153
Confirmed COC: Not reported
Potential Description: AQUIC, SOIL
Alias Name: BURBANK OU
Alias Type: Alternate Name
Alias Name: NORTH HOLLYWOOD OUFSSAN FERNANDO VALLEY
Alias Type: Alternate Name
Alias Name: SAN FERNANDO VALLEY GW BASIN AREA 1

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SAN FERNANDO VALLEY (AREA 1) (Continued)

1000709322

Alias Type: Alternate Name
Alias Name: CAD980894893
Alias Type: CERCLIS ID
Alias Name: 110009267961
Alias Type: EPA (FRS #)
Alias Name: P31031
Alias Type: PCode
Alias Name: 300126
Alias Type: Project Code (Site Code)
Alias Name: 300173
Alias Type: Project Code (Site Code)
Alias Name: 19990011
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Feasibility Study Report
Completed Date: 2009-01-08 00:00:00
Comments: DTSCs letter with comments on Focussed Feasibility Study document for North Hollywood Operable Unit, San Fernando Valley Area 1 was sent out.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Record of Decision - Interim
Completed Date: 2009-09-28 00:00:00
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: 5 Year Review Reports
Completed Date: 1998-08-17 00:00:00
Comments: A second 5-year review of remedial activities is conducted at the North Hollywood OU (NHOU) and covers operations from 1993 thru 1997. The purpose was to evaluate whether the NH Interim Remedy achieved the objectives specified in the ROD. The findings of the 5-year review are that the objectives of the ROD have been met.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Design/Implementation Workplan
Completed Date: 1997-11-17 00:00:00
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Design/Implementation Workplan
Completed Date: 1997-03-31 00:00:00
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Participation Plan / Community Relations Plan
Completed Date: 1990-04-30 00:00:00
Comments: Not reported

Completed Area Name: PROJECT WIDE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SAN FERNANDO VALLEY (AREA 1) (Continued)

1000709322

Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation / Feasibility Study
Completed Date: 1989-06-30 00:00:00
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Plan
Completed Date: 1989-06-30 00:00:00
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 1989-03-31 00:00:00
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation / Feasibility Study
Completed Date: 1987-09-30 00:00:00
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 2008-07-08 00:00:00
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Consent Order
Completed Date: 1997-06-24 00:00:00
Comments: A second partial Consent Decree, dated June 24, 1997, requires reimbursement to the State by Lockheed-Martin of certain past costs and annual billing for future site specific response costs.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Consent Order
Completed Date: 1997-05-14 00:00:00
Comments: The second partial consent decree to recover DTSC's past cost is signed on May 14, 1997. This also concludes the litigation for the interim remedy at the North Hollywood OU.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Consent Order
Completed Date: 1996-08-01 00:00:00
Comments: The first partial consent decree is entered by the Federal District court on August 1, 1996.

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SAN FERNANDO VALLEY (AREA 1) (Continued)

1000709322

Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

**B6
East
< 1/8
0.105 mi.
555 ft.**

**MISSION CONTINUATION HIGH SCHOOL
11015 OMELVENY AVE
SAN FERNANDO, CA 91340**

RCRA-LQG

**1011861626
CAR000195792**

Site 1 of 2 in cluster B

**Relative:
Higher**

RCRA-LQG:

Date form received by agency: 10/10/2008

Facility name: MISSION CONTINUATION HIGH SCHOOL

Facility address: 11015 OMELVENY AVE
SAN FERNANDO, CA 91340

EPA ID: CAR000195792

Mailing address: 333 S BEAUDRY AVE
20TH FL LAUSD OEHS
LOS ANGELES, CA 90017

Contact: SOE AUNG

Contact address: 333 S BEAUDRY AVE 20TH FL LAUSD OEHS
LOS ANGELES, CA 90017

Contact country: US

Contact telephone: 213-241-3904

Contact email: SOE.AUNG@LAUSD.NET

EPA Region: 09

Classification: Large Quantity Generator

Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name: MISSION CONTINUATION HIGH SCHOOL

Owner/operator address: Not reported
Not reported

Owner/operator country: Not reported

Owner/operator telephone: Not reported

Legal status: District

Owner/Operator Type: Operator

Owner/Op start date: 11/14/1989

Owner/Op end date: Not reported

Owner/operator name: LOS ANGELES UNIFIED SCHOOL DIST

Owner/operator address: 333 S BEAUDRY AVE
LOS ANGELES, CA 90017

Owner/operator country: US

Owner/operator telephone: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MISSION CONTINUATION HIGH SCHOOL (Continued)

1011861626

Legal status: District
Owner/Operator Type: Owner
Owner/Op start date: 11/14/1989
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No
Off-site waste receiver: Commercial status unknown

Hazardous Waste Summary:

Waste code: D008
Waste name: LEAD

Violation Status: No violations found

B7
East
< 1/8
0.105 mi.
555 ft.

MISSION CONTINUATION HIGH SCHOOL
11015 O'MELVENY AVE.
SAN FERNANDO, CA 91340
Site 2 of 2 in cluster B

FINDS 1008263009
N/A

Relative:
Higher

FINDS:

Registry ID: 110036975164

Actual:
1008 ft.

Environmental Interest/Information System

NCES (National Center for Education Statistics) is the primary federal entity for collecting and analyzing data related to education in the United States and other nations and the institute of education sciences.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

8

South
1/8-1/4
0.166 mi.
876 ft.

10864 LAUREL CANYON BLVD
SAN FERNANDO, CA 91340

CDL S107527093
N/A

Relative:
Lower

CDL:

Facility ID:

200101023

Lab Type:

Illegal Drug Lab (L) - location where an illegal drug lab was operated
or drug lab equipment and/or materials were stored.

Actual:
985 ft.

9

North
1/8-1/4
0.233 mi.
1228 ft.

DELFINA PRADO
14141 LA RUE ST
SAN FERNANDO, CA 91340

HAZNET S109932140
N/A

Relative:
Higher

HAZNET:

Gepaid:

CAC002636875

Contact:

DELFINA PRADO

Telephone:

6612090427

Facility Addr2:

Not reported

Mailing Name:

Not reported

Mailing Address:

14141 LA RUE ST

Mailing City,St,Zip:

SAN FERNANDO, CA 913403836

Gen County:

Los Angeles

TSD EPA ID:

CAD028409019

TSD County:

Los Angeles

Waste Category:

Other inorganic solid waste

Disposal Method:

H141

Tons:

0.0125

Facility County:

Los Angeles

C10
NE

1/4-1/2
0.279 mi.
1474 ft.

GLOBE PACKING CO.
11200 KEWEN AVE.
LOS ANGELES, CA 91341

HIST UST U001567554
N/A

Site 1 of 2 in cluster C

Relative:
Higher

HIST UST:

Region:

STATE

Facility ID:

00000005450

Facility Type:

Other

Other Type:

MEAT PACKERS

Total Tanks:

0003

Contact Name:

Not reported

Telephone:

2138771511

Owner Name:

GLOBE PACKING CO.

Owner Address:

11200 KEWEN AVE.

Owner City,St,Zip:

LOS ANGELES, CA 91341

Tank Num:

001

Container Num:

1

Year Installed:

1958

Tank Capacity:

00008000

Tank Used for:

PRODUCT

Type of Fuel:

REGULAR

Tank Construction:

Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GLOBE PACKING CO. (Continued)

U001567554

Leak Detection: Stock Inventor

Tank Num: 002

Container Num: 2

Year Installed: 1967

Tank Capacity: 00007500

Tank Used for: PRODUCT

Type of Fuel: DIESEL

Tank Construction: Not reported

Leak Detection: Stock Inventor

Tank Num: 003

Container Num: 3

Year Installed: 1958

Tank Capacity: 00001500

Tank Used for: PRODUCT

Type of Fuel: DIESEL

Tank Construction: Not reported

Leak Detection: Stock Inventor

C11
NE
1/4-1/2
0.281 mi.
1481 ft.

GLOBE PACKING COMPANY/C
11200 KEWEN AVE
SAN FERNANDO, CA 91340

CA FID UST **S101584697**
SWEEPS UST **N/A**

Site 2 of 2 in cluster C

Relative:
Higher

CA FID UST:

Facility ID: 19014477
Regulated By: UTKNI
Regulated ID: Not reported
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 2130000000
Mail To: Not reported
Mailing Address: 11200 KEWEN AVE
Mailing Address 2: Not reported
Mailing City,St,Zip: SAN FERNANDO 913400000
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Inactive

Actual:
1019 ft.

SWEEPS UST:

Status: Not reported
Comp Number: 5357
Number: Not reported
Board Of Equalization: Not reported
Ref Date: Not reported
Act Date: Not reported
Created Date: Not reported
Tank Status: Not reported
Owner Tank Id: Not reported
Swrcb Tank Id: Not reported
Actv Date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GLOBE PACKING COMPANY/C (Continued)

S101584697

Capacity: Not reported
Tank Use: Not reported
Stg: Not reported
Content: Not reported
Number Of Tanks: 0

D12
WNW
1/4-1/2
0.318 mi.
1677 ft.

BOECKMANN AUTOMOTIVE LLC DBA GALPIN HONDA
11151 LAUREL CANYON BLVD
MISSION HILLS, CA 91340

CA FID UST
SWEEPS UST
HAZNET
EMI

1000310746
N/A

Site 1 of 2 in cluster D

Relative:
Higher

CA FID UST:

Facility ID: 19029453
Regulated By: UTKNI
Regulated ID: Not reported
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 8189966821
Mail To: Not reported
Mailing Address: 11151 LAUREL CANYON BLVD
Mailing Address 2: Not reported
Mailing City,St,Zip: MISSION HILLS 913400000
Contact: Not reported
Contact Phone: Not reported
DUNS Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Inactive

Actual:
1005 ft.

SWEEPS UST:

Status: Not reported
Comp Number: 7941
Number: Not reported
Board Of Equalization: Not reported
Ref Date: Not reported
Act Date: Not reported
Created Date: Not reported
Tank Status: Not reported
Owner Tank Id: Not reported
Swrcb Tank Id: Not reported
Actv Date: Not reported
Capacity: Not reported
Tank Use: Not reported
Stg: Not reported
Content: Not reported
Number Of Tanks: Not reported

HAZNET:

Gepaid: CAL000306761
Contact: MONICO GUERRERO
Telephone: 8187782135
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 15505 ROSCOE BLVD
Mailing City,St,Zip: NORTH HILLS, CA 913436503

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BOECKMANN AUTOMOTIVE LLC DBA GALPIN HONDA (Continued)

1000310746

Gen County: Los Angeles
TSD EPA ID: CAD951696420
TSD County: Not reported
Waste Category: Waste oil and mixed oil
Disposal Method: H141
Tons: 0.114
Facility County: Los Angeles

Gepaid: CAL000306761
Contact: MONICO GUERRERO
Telephone: 8187782135
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 15505 ROSCOE BLVD
Mailing City,St,Zip: NORTH HILLS, CA 913436503
Gen County: Los Angeles
TSD EPA ID: CAD028409019
TSD County: Los Angeles
Waste Category: Unspecified organic liquid mixture
Disposal Method: H141
Tons: 0.102
Facility County: Los Angeles

Gepaid: CAL000306761
Contact: MONICO GUERRERO
Telephone: 8187782135
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 15505 ROSCOE BLVD
Mailing City,St,Zip: NORTH HILLS, CA 913436503
Gen County: Los Angeles
TSD EPA ID: CAD044429835
TSD County: Los Angeles
Waste Category: Off-specification, aged, or surplus organics
Disposal Method: H141
Tons: 0.6525
Facility County: Los Angeles

Gepaid: CAL000306761
Contact: MONICO GUERRERO
Telephone: 8187782135
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 15505 ROSCOE BLVD
Mailing City,St,Zip: NORTH HILLS, CA 913436503
Gen County: Los Angeles
TSD EPA ID: CAD981696420
TSD County: Los Angeles
Waste Category: Waste oil and mixed oil
Disposal Method: H141
Tons: 0.26
Facility County: Los Angeles

EMI:
Year: 1987
County Code: 19
Air Basin: SC

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BOECKMANN AUTOMOTIVE LLC DBA GALPIN HONDA (Continued)

1000310746

Facility ID: 2452
Air District Name: SC
SIC Code: 5511
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 2
Reactive Organic Gases Tons/Yr: 2
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers & Smllr Tons/Yr: 0

D13
WNW
1/4-1/2
0.318 mi.
1677 ft.

FORD AUTO BODY INCORPORATED
11151 LAUREL CANYON BOULEVARD
MISSION HILLS, CA 91345

RCRA-SQG 1000921592
FINDS CAD054867999

Site 2 of 2 in cluster D

Relative:
Higher

RCRA-SQG:

Date form received by agency: 03/16/1994

Facility name: GALPIN RE CON

Facility address: 11151 LAUREL CYN BLVD
MISSION HILLS, CA 91345

EPA ID: CAD054867999

Contact: CHARLIE MCCORD

Contact address: 15505 ROSCOE BLVD
SEPULVEDA, CA 913436598

Contact country: US

Contact telephone: (818) 787-3800

Contact email: Not reported

EPA Region: 09

Classification: Small Small Quantity Generator

Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: H F BOECKMANN

Owner/operator address: 15505 ROSCOE BLVD
SEPULVEDA, CA 91343

Owner/operator country: Not reported

Owner/operator telephone: (818) 787-3800

Legal status: Private

Owner/Operator Type: Owner

Owner/Op start date: Not reported

Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED

Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999

Owner/operator country: Not reported

Owner/operator telephone: (415) 555-1212

Legal status: Private

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORD AUTO BODY INCORPORATED (Continued)

1000921592

Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): Unknown
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No
Off-site waste receiver: Verified to be non-commercial

Violation Status: No violations found

FINDS:

Registry ID: 110013849871

Environmental Interest/Information System

The NEI (National Emissions Inventory) database contains information on stationary and mobile sources that emit criteria air pollutants and their precursors, as well as hazardous air pollutants (HAPs).

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

14
ENE
1/4-1/2
0.362 mi.
1909 ft.

**ALLIED COLOR
13596 VAUGHN ST
PACOIMA, CA 91331**

**WIP S106769015
N/A**

**Relative:
Higher**

WIP:
Region: 4
File Number: 111.2661
File Status: Historical
Staff: YRONG
Facility Suite: Not reported

**Actual:
1018 ft.**

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

15
NNW
1/4-1/2
0.402 mi.
2120 ft.

O MELVENY ELEMENTARY SCHOOL
728 WOODWORTH ST
SAN FERNANDO, CA 91340

RCRA-LQG **1011861634**
CAR000195875

Relative:
Higher

RCRA-LQG:

Actual:
1024 ft.

Date form received by agency: 10/10/2008
Facility name: O MELVENY ELEMENTARY SCHOOL
Facility address: 728 WOODWORTH ST
SAN FERNANDO, CA 91340
EPA ID: CAR000195875
Mailing address: 333 S BEAUDRY AVE
20TH FL LAUSD OEHS
LOS ANGELES, CA 90017
Contact: SOE AUNG
Contact address: 333 S BEAUDRY AVE 20TH FL LAUSD OEHS
LOS ANGELES, CA 90017
Contact country: US
Contact telephone: 213-241-3904
Contact email: SOE.AUNG@LAUSD.NET
EPA Region: 09
Classification: Large Quantity Generator
Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name: LAUSD
Owner/operator address: 333 S BEAUDRY AVE
LOS ANGELES, CA 90017
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: District
Owner/Operator Type: Owner
Owner/Op start date: 11/14/1989
Owner/Op end date: Not reported
Owner/operator name: O MELVENY ELEMENTARY SCHOOL
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: District
Owner/Operator Type: Operator
Owner/Op start date: 11/14/1989
Owner/Op end date: Not reported

Handler Activities Summary:

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

O MELVENY ELEMENTARY SCHOOL (Continued)

1011861634

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No
Off-site waste receiver: Commercial status unknown

Hazardous Waste Summary:

Waste code: D008
Waste name: LEAD

Violation Status: No violations found

E16
SSE
1/4-1/2
0.418 mi.
2208 ft.

PYUNG SHELL SERVICE STATION
10685 LAUREL CANYON BLVD
PACOIMA, CA 91331

CA FID UST **S101587624**
SWEEPS UST **N/A**

Site 1 of 5 in cluster E

Relative:
Lower

CA FID UST:
Facility ID: 19055828
Regulated By: UTNKA
Regulated ID: Not reported
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 8188996612
Mail To: Not reported
Mailing Address: 10685 LAUREL CANYON BLVD
Mailing Address 2: Not reported
Mailing City,St,Zip: PACOIMA 913310000
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

Actual:
978 ft.

SWEEPS UST:

Status: A
Comp Number: 4549
Number: 2
Board Of Equalization: Not reported
Ref Date: 02-25-93
Act Date: 05-04-94
Created Date: 02-29-88
Tank Status: Not reported
Owner Tank Id: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PYUNG SHELL SERVICE STATION (Continued)

S101587624

Swrcb Tank Id: Not reported
Actv Date: Not reported
Capacity: Not reported
Tank Use: Not reported
Stg: Not reported
Content: Not reported
Number Of Tanks: Not reported

E17
SSE
1/4-1/2
0.418 mi.
2208 ft.
SHELL SERVICE STATION
10685 LAUREL CANYON BLVD
PACOIMA, CA 91331
Site 2 of 5 in cluster E

RCRA-SQG
FINDS
HAZNET
1006805396
CAR000126581

Relative:
Lower

RCRA-SQG:

Date form received by agency: 08/16/2002
Facility name: SHELL SERVICE STATION
Facility address: 10685 LAUREL CANYON BLVD
S A P 135727
PACOIMA, CA 913313532

EPA ID: CAR000126581
Mailing address: P O BOX 2648
HOUSTON, TX 772522648

Contact: SONDRA BIENVENU
Contact address: P O BOX 2648
HOUSTON, TX 772522648

Contact country: US
Contact telephone: (713) 241-5036
Contact email: Not reported

EPA Region: 09
Classification: Small Small Quantity Generator

Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: EQUILON ENTERPRISES L L C
Owner/operator address: P O BOX 2648
HOUSTON, TX 77252
Owner/operator country: Not reported
Owner/operator telephone: (713) 241-5036
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): Unknown
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SHELL SERVICE STATION (Continued)

1006805396

Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No
Off-site waste receiver: Verified to be non-commercial

Hazardous Waste Summary:

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D018
Waste name: BENZENE

Violation Status: No violations found

FINDS:

Registry ID: 110013308036

Environmental Interest/Information System

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

HAZNET:

Gepaid: CAR000126581
Contact: R HULL/ENV. REPORTING ANALYST
Telephone: 2818742224
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 12700 NORTHBOROUGH DR 300G03
Mailing City,St,Zip: Houston, TX 770670000
Gen County: Los Angeles
TSD EPA ID: CAD008302903
TSD County: Los Angeles
Waste Category: Other organic solids
Disposal Method: Transfer Station
Tons: 0.03
Facility County: Los Angeles

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SHELL SERVICE STATION (Continued)

1006805396

Gepaid: CAR000126581
Contact: Sondra Bienvenu
Telephone: 7132415036
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: PO BOX 2648
Mailing City,St,Zip: Houston, TX 772522648
Gen County: Los Angeles
TSD EPA ID: Not reported
TSD County: Los Angeles
Waste Category: Tank bottom waste
Disposal Method: Treatment, Tank
Tons: 0.68
Facility County: Not reported

Gepaid: CAR000126581
Contact: R HULL/ENV. REPORTING ANALYST
Telephone: 2818742224
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 12700 NORTHBOROUGH DR 300G03
Mailing City,St,Zip: Houston, TX 770670000
Gen County: Los Angeles
TSD EPA ID: CAD008302903
TSD County: Los Angeles
Waste Category: Other organic solids
Disposal Method: H141
Tons: 0.025
Facility County: Los Angeles

Gepaid: CAR000126581
Contact: R HULL/ENV. REPORTING ANALYST
Telephone: 2818742224
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 12700 NORTHBOROUGH DR 300G03
Mailing City,St,Zip: Houston, TX 770670000
Gen County: Los Angeles
TSD EPA ID: CAD028409019
TSD County: Los Angeles
Waste Category: Other organic solids
Disposal Method: H141
Tons: 0.14
Facility County: Los Angeles

Gepaid: CAR000126581
Contact: N CORTEZ/ENV'T'L DATA ANALYST
Telephone: 2818742224
Facility Addr2: S A P 135727
Mailing Name: Not reported
Mailing Address: 12700 NORTHBOROUGH DRIVE MFT 240-G
Mailing City,St,Zip: Houston, TX 770672508
Gen County: Los Angeles
TSD EPA ID: CAD008364432
TSD County: Los Angeles
Waste Category: Other organic solids
Disposal Method: Recycler

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SHELL SERVICE STATION (Continued)

1006805396

Tons: 0.01
Facility County: Los Angeles

[Click this hyperlink](#) while viewing on your computer to access
1 additional CA_HAZNET: record(s) in the EDR Site Report.

E18
SSE
1/4-1/2
0.418 mi.
2208 ft.

SHELL OIL PRODUCTS CO
10685 LAUREL CNYN
PACOIMA, CA 91331

HIST CORTESE **S105025439**
N/A

Site 3 of 5 in cluster E

Relative:
Lower

CORTESE:
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: 913311170

Actual:
978 ft.

E19
SSE
1/4-1/2
0.418 mi.
2208 ft.

PACOIMA SHELL
10685 LAUREL CANYON BLVD
PACOIMA, CA 91331

UST **U003781061**
N/A

Site 4 of 5 in cluster E

Relative:
Lower

UST:
Global ID: 7436
Latitude: 34.2643
Longitude: -118.43799

Actual:
978 ft.

E20
SSE
1/4-1/2
0.418 mi.
2208 ft.

SHELL OIL PRODUCTS CO
10685 LAUREL CANYON
PACOIMA, CA 91331

LUST **S102590679**
N/A

Site 5 of 5 in cluster E

Relative:
Lower

LUST:
Region: STATE
Global Id: T0603702202
Latitude: 34.264276
Longitude: -118.438422
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 2002-08-01 00:00:00
Lead Agency: LOS ANGELES, CITY OF
Case Worker: HQ
Local Agency: LOS ANGELES, CITY OF
RB Case Number: 913311170
LOC Case Number: Not reported
File Location: Not reported
Potential Media Affect: Soil
Potential Contaminants of Concern: Gasoline
Site History: Not reported

Actual:
978 ft.

[Click here to access the California GeoTracker records for this facility:](#)

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SHELL OIL PRODUCTS CO (Continued)

S102590679

LUST REG 4:

Region:	4	
Regional Board:	04	
County:	Los Angeles	
Facid:	913311170	
Status:	Remedial action (cleanup) Underway	
Substance:	Gasoline	
Substance Quantity:	Not reported	
Local Case No:	Not reported	
Case Type:	Soil	
Abatement Method Used at the Site:	OT	
Global ID:	T0603702202	
W Global ID:	Not reported	
Staff:	UNK	
Local Agency:	19050	
Cross Street:	PAXTON ST	
Enforcement Type:	Not reported	
Date Leak Discovered:	8/30/1996	
Date Leak First Reported:	9/9/1996	
Date Leak Record Entered:	4/29/1997	
Date Confirmation Began:	Not reported	
Date Leak Stopped:	Not reported	
Date Case Last Changed on Database:	9/9/1996	
Date the Case was Closed:	Not reported	
How Leak Discovered:	OM	
How Leak Stopped:	Not reported	
Cause of Leak:	UNK	
Leak Source:	Other Source	
Operator:	PYUNG SUN KIM	
Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):	12104.03638151404854387940819	
Source of Cleanup Funding:	Other Source	
Preliminary Site Assessment Workplan Submitted:	Not reported	
Preliminary Site Assessment Began:	Not reported	
Pollution Characterization Began:	Not reported	
Remediation Plan Submitted:	Not reported	
Remedial Action Underway:	8/30/1996	
Post Remedial Action Monitoring Began:	Not reported	
Enforcement Action Date:	Not reported	
Historical Max MTBE Date:	Not reported	
Hist Max MTBE Conc in Groundwater:	Not reported	
Hist Max MTBE Conc in Soil:	Not reported	
Significant Interim Remedial Action Taken:	Not reported	
GW Qualifier:	Not reported	
Soil Qualifier:	Not reported	
Organization:	Not reported	
Owner Contact:	Not reported	
Responsible Party:	SHELL OIL PRODUCTS CO	
RP Address:	3611 S. HARBOR BLVD., STE 1690, SANTA ANA CA 92704	
Program:	LUST	
Lat/Long:	34.2643124 / -1	
Local Agency Staff:	PEJ	
Beneficial Use:	Not reported	
Priority:	Not reported	
Cleanup Fund Id:	Not reported	
Suspended:	Not reported	

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SHELL OIL PRODUCTS CO (Continued)

S102590679

Assigned Name: Not reported
Summary: SITE UNDER INVESTIGATION

F21
WNW
1/4-1/2
0.429 mi.
2268 ft.

95571
11221 LAUREL CANYON BLVD
SAN FERNANDO, CA 91340

HIST UST **U001567510**
N/A

Site 1 of 4 in cluster F

Relative:
Higher

HIST UST:

Actual:
1014 ft.

Region: STATE
Facility ID: 00000062774
Facility Type: Gas Station
Other Type: Not reported
Total Tanks: 0004
Contact Name: BARRY, PATRICK
Telephone: 8183651450
Owner Name: CHEVRON U.S.A. INC.
Owner Address: 575 MARKET
Owner City,St,Zip: SAN FRANCISCO, CA 94105

Tank Num: 001
Container Num: 1
Year Installed: 1962
Tank Capacity: 00006000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Tank Construction: 0000250 unknown
Leak Detection: Stock Inventor

Tank Num: 002
Container Num: 2
Year Installed: 1962
Tank Capacity: 00005000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Tank Construction: 0000250 unknown
Leak Detection: Stock Inventor

Tank Num: 003
Container Num: 3
Year Installed: 1962
Tank Capacity: 00002000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Tank Construction: 0000170 unknown
Leak Detection: Stock Inventor

Tank Num: 004
Container Num: 4
Year Installed: 1962
Tank Capacity: 00000550
Tank Used for: WASTE
Type of Fuel: Not reported
Tank Construction: 0000100 unknown
Leak Detection: Stock Inventor

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

F22
WNW
1/4-1/2
0.429 mi.
2268 ft.

CHEVRON STATION NO 95571
11221 LAUREL CANYON BLVD
SAN FERNANDO, CA 91340

RCRA-SQG **1005441352**
FINDS **CAR000119156**

Site 2 of 4 in cluster F

Relative:
Higher

RCRA-SQG:

Date form received by agency: 05/16/2002
Facility name: CHEVRON STATION NO 95571
Facility address: 11221 LAUREL CANYON BLVD
SAN FERNANDO, CA 913404311
EPA ID: CAR000119156
Mailing address: P O BOX 6004
SAN RAMON, CA 94583
Contact: KATHY NORRIS
Contact address: P O BOX 6004
SAN RAMON, CA 94583
Contact country: US
Contact telephone: (925) 842-5931
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: CHEVRON PRODUCTS CO
Owner/operator address: P O BOX 6004
SAN RAMON, CA 94583
Owner/operator country: Not reported
Owner/operator telephone: (925) 842-5931
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): Unknown
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No
Off-site waste receiver: Verified to be non-commercial

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEVRON STATION NO 95571 (Continued)

1005441352

Hazardous Waste Summary:

Waste code: D001

Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D018

Waste name: BENZENE

Violation Status: No violations found

FINDS:

Registry ID: 110012544595

Environmental Interest/Information System

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

F23
WNW
1/4-1/2
0.429 mi.
2268 ft.

CHEVRON STATION #95571
11221 LAUREL CANYON BLVD
SAN FERNANDO, CA 91340

UST U003948831
N/A

Site 3 of 4 in cluster F

Relative:
Higher

UST:

Global ID: 6510

Latitude: 34.27359

Longitude: -118.44789

Actual:
1014 ft.

F24
WNW
1/4-1/2
0.429 mi.
2268 ft.

CHEVRON STATION-95571
11221 LAUREL CANYON BLVD
SAN FERNANDO, CA 91340

CA FID UST S101587441
SWEEPS UST N/A

Site 4 of 4 in cluster F

Relative:
Higher

CA FID UST:

Facility ID: 19055617

Regulated By: UTNKA

Regulated ID: 00062774

Cortese Code: Not reported

SIC Code: Not reported

Actual:
1014 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEVRON STATION-95571 (Continued)

S101587441

Facility Phone: 8183651450
Mail To: Not reported
Mailing Address: 575 MARKET ST
Mailing Address 2: Not reported
Mailing City,St,Zip: SAN FERNANDO 913400000
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

SWEEPS UST:

Status: A
Comp Number: 3591
Number: 1
Board Of Equalization: 44-013134
Ref Date: 02-25-93
Act Date: 04-19-94
Created Date: 02-29-88
Tank Status: A
Owner Tank Id: Not reported
Swrcb Tank Id: 19-050-003591-000001
Actv Date: 04-20-88
Capacity: 6000
Tank Use: CHEMICAL
Stg: P
Content: UNKNOWN
Number Of Tanks: 3

Status: A
Comp Number: 3591
Number: 1
Board Of Equalization: 44-013134
Ref Date: 02-25-93
Act Date: 04-19-94
Created Date: 02-29-88
Tank Status: A
Owner Tank Id: Not reported
Swrcb Tank Id: 19-050-003591-000002
Actv Date: 04-20-88
Capacity: 5000
Tank Use: CHEMICAL
Stg: P
Content: UNKNOWN
Number Of Tanks: Not reported

Status: A
Comp Number: 3591
Number: 1
Board Of Equalization: 44-013134
Ref Date: 02-25-93
Act Date: 04-19-94
Created Date: 02-29-88
Tank Status: A
Owner Tank Id: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEVRON STATION-95571 (Continued)

S101587441

Swrcb Tank Id: 19-050-003591-000003
Actv Date: 04-20-88
Capacity: 2000
Tank Use: CHEMICAL
Stg: P
Content: UNKNOWN
Number Of Tanks: Not reported

25
ENE
1/4-1/2
0.465 mi.
2454 ft.

M C TRUCKING
11189 TAMARACK AVE
PACOIMA, CA 91331

RCRA-NonGen **1004678303**
FINDS **CAR000107276**

Relative:
Higher

RCRA-NonGen:

Date form received by agency: 10/04/2001
Facility name: M C TRUCKING
Facility address: 11189 TAMARACK AVE
PACOIMA, CA 91331
EPA ID: CAR000107276
Mailing address: 11243 SAN FERNANDO RD NO 106
SAN FERNANDO, CA 91340
Contact: TONY CISNEROS
Contact address: 11189 TAMARACK AVE
PACOIMA, CA 91331
Contact country: US
Contact telephone: (818) 652-1277
Contact email: Not reported
EPA Region: 09
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Actual:
1030 ft.

Owner/Operator Summary:

Owner/operator name: TONY CISNEROS
Owner/operator address: 11189 TAMARACK AVE
PACOIMA, CA 91331
Owner/operator country: Not reported
Owner/operator telephone: (818) 652-1277
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): Unknown
Recycler of hazardous waste: No
Transporter of hazardous waste: Yes
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

M C TRUCKING (Continued)

1004678303

Used oil transfer facility: No
Used oil transporter: No
Off-site waste receiver: Verified to be non-commercial

Violation Status: No violations found

FINDS:

Registry ID: 110012195533

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

**G26
NW
1/4-1/2
0.484 mi.
2558 ft.**

**NASSER/HAYDEN ALLAHVERDI
11244 LAUREL CANYON BLVD
SAN FERNANDO, CA 91340**

**CA FID UST
SWEEPS UST**

**S101587400
N/A**

Site 1 of 2 in cluster G

**Relative:
Higher**

CA FID UST:

**Actual:
1017 ft.**

Facility ID: 19055518
Regulated By: UTNKA
Regulated ID: 00047367
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 8183614773
Mail To: Not reported
Mailing Address: 4901 ENFIELD AVE
Mailing Address 2: Not reported
Mailing City,St,Zip: SAN FERNANDO 913400000
Contact: Not reported
Contact Phone: Not reported
DUNS Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

SWEEPS UST:

Status: A
Comp Number: 2569
Number: 9
Board Of Equalization: 44-012420
Ref Date: 02-12-93
Act Date: 04-18-94
Created Date: 02-29-88
Tank Status: A
Owner Tank Id: Not reported
Swrcb Tank Id: 19-050-002569-000001
Actv Date: 04-20-88
Capacity: 6000
Tank Use: M.V. FUEL

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NASSER/HAYDEN ALLAHVERDI (Continued)

S101587400

Stg: P
Content: REG UNLEADED
Number Of Tanks: 3

Status: A
Comp Number: 2569
Number: 9
Board Of Equalization: 44-012420
Ref Date: 02-12-93
Act Date: 04-18-94
Created Date: 02-29-88
Tank Status: A
Owner Tank Id: Not reported
Swrcb Tank Id: 19-050-002569-000002
Actv Date: 04-20-88
Capacity: 6000
Tank Use: M.V. FUEL
Stg: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Status: A
Comp Number: 2569
Number: 9
Board Of Equalization: 44-012420
Ref Date: 02-12-93
Act Date: 04-18-94
Created Date: 02-29-88
Tank Status: A
Owner Tank Id: Not reported
Swrcb Tank Id: 19-050-002569-000003
Actv Date: 04-20-88
Capacity: 8000
Tank Use: M.V. FUEL
Stg: P
Content: REG UNLEADED
Number Of Tanks: Not reported

**G27
NW
1/4-1/2
0.484 mi.
2558 ft.**

**ARCO BUDGET MINI MARKET
11244 LAUREL CANYON BLVD
SAN FERNANDO, CA 91340**

Site 2 of 2 in cluster G

**UST U001567511
HIST UST N/A
HAZNET**

**Relative:
Higher**

UST:
Global ID: 7450
Latitude: 34.27427
Longitude: -118.44857

**Actual:
1017 ft.**

HIST UST:
Region: STATE
Facility ID: 00000047367
Facility Type: Gas Station
Other Type: Not reported
Total Tanks: 0003
Contact Name: DEALER
Telephone: 8183614773

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ARCO BUDGET MINI MARKET (Continued)

U001567511

Owner Name: NASSER & HAYDEH ALLAHVERDI
Owner Address: 4901 ENFIELD AVE
Owner City,St,Zip: ENCINO, CA 91316

Tank Num: 001
Container Num: 1
Year Installed: Not reported
Tank Capacity: 00006000
Tank Used for: PRODUCT
Type of Fuel: PREMIUM
Tank Construction: Not reported
Leak Detection: None

Tank Num: 002
Container Num: 2
Year Installed: Not reported
Tank Capacity: 00006000
Tank Used for: PRODUCT
Type of Fuel: REGULAR
Tank Construction: Not reported
Leak Detection: None

Tank Num: 003
Container Num: 3
Year Installed: Not reported
Tank Capacity: 00008000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Tank Construction: Not reported
Leak Detection: None

HAZNET:

Gepaid: CAC001381032
Contact: TOM MOGHADAM
Telephone: 8183614773
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 11244 LAUREL CANYON BLVD
Mailing City,St,Zip: SAN FERNANDO, CA 913400000
Gen County: Los Angeles
TSD EPA ID: CAT080013352
TSD County: Los Angeles
Waste Category: Waste oil and mixed oil
Disposal Method: Recycler
Tons: 2.0850
Facility County: Los Angeles

28
South
1/2-1
0.539 mi.
2845 ft.

**SAN FERNANDO CITY LANDFILL
SHARP AVE & PAXTON
SAN FERNANDO, CA**

**WMUDS/SWAT S103441560
N/A**

**Relative:
Lower**

WMUDS/SWAT:
Edit Date: Not reported
Complexity: Not reported
Primary Waste: Not reported

**Actual:
960 ft.**

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SAN FERNANDO CITY LANDFILL (Continued)

S103441560

Primary Waste Type: Not reported
Secondary Waste: Not reported
Secondary Waste Type: Not reported
Base Meridian: Not reported
NPID: Not reported
Tonnage: 0
Regional Board ID: Not reported
Municipal Solid Waste: False
Superorder: False
Open To Public: False
Waste List: False
Agency Type: Not reported
Agency Name: CITY OF SAN FERNANDO
Agency Department: Not reported
Agency Address: Not reported
Agency City,St,Zip: Not reported
Agency Contact: Not reported
Agency Telephone: Not reported
Land Owner Name: Not reported
Land Owner Address: Not reported
Land Owner City,St,Zip: CA
Land Owner Contact: Not reported
Land Owner Phone: Not reported
Region: 4
Facility Type: Not reported
Facility Description: Not reported
Facility Telephone: Not reported
SWAT Facility Name: Not reported
Primary SIC: Not reported
Secondary SIC: Not reported
Comments: Not reported
Last Facility Editors: Not reported
Waste Discharge System: False
Solid Waste Assessment Test Program: True
Toxic Pits Cleanup Act Program: False
Resource Conservation Recovery Act: False
Department of Defence: False
Solid Waste Assessment Test Program: CITY OF SAN FERNANDO
Threat to Water Quality: Not reported
Sub Chapter 15: False
Regional Board Project Officer: LT
Number of WMUDS at Facility: 1
Section Range: Not reported
RCRA Facility: Not reported
Waste Discharge Requirements: Not reported
Self-Monitoring Rept. Frequency: Not reported
Waste Discharge System ID: 4 190329NUR
Solid Waste Information ID: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

H29
NW
1/2-1
0.546 mi.
2885 ft.

SHELL SERVICE STATION
11278 LAUREL CYN RD
MISSION HILLS, CA 91340

Site 1 of 2 in cluster H

LUST **S105051318**
N/A

Relative:
Higher

LUST:

Actual:
1019 ft.

Region: STATE
Global Id: T0603702252
Latitude: 34.274622
Longitude: -118.4489207
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 1997-01-08 00:00:00
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Worker: YR
Local Agency: LOS ANGELES, CITY OF
RB Case Number: 913401961
LOC Case Number: Not reported
File Location: Not reported
Potential Media Affect: Soil
Potential Contaminants of Concern: Gasoline
Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

LUST REG 4:

Region: 4
Regional Board: 04
County: Los Angeles
facid: 913401961
Status: Case Closed
Substance: Gasoline
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Soil
Abatement Method Used at the Site: Excavate and Dispose
Global ID: T0603702252
W Global ID: Not reported
Staff: UNK
Local Agency: 19050
Cross Street: BRAND
Enforcement Type: Not reported
Date Leak Discovered: 10/24/1985
Date Leak First Reported: 9/30/1985
Date Leak Record Entered: 12/31/1986
Date Confirmation Began: 10/24/1985
Date Leak Stopped: Not reported
Date Case Last Changed on Database: 3/31/1988
Date the Case was Closed: 1/8/1997
How Leak Discovered: Tank Closure
How Leak Stopped: Not reported
Cause of Leak: UNK
Leak Source: UNK
Operator: Not reported
Water System: Not reported
Well Name: Not reported
Approx. Dist To Production Well (ft): 7400.5981320962358685771522036
Source of Cleanup Funding: UNK

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SHELL SERVICE STATION (Continued)

S105051318

Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: Not reported
Pollution Characterization Began: Not reported
Remediation Plan Submitted: Not reported
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: Not reported
Enforcement Action Date: Not reported
Historical Max MTBE Date: Not reported
Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil: Not reported
Significant Interim Remedial Action Taken: No
GW Qualifier: Not reported
Soil Qualifier: Not reported
Organization: Not reported
Owner Contact: Not reported
Responsible Party: SHELL OIL PRODUCTS CO
RP Address: P.O. BOX 25370, SANTA ANA, CA 92799
Program: LUST
Lat/Long: 34.274622 / -1
Local Agency Staff: PEJ
Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: TANKS AND CONTAMINATED SOIL REMOVED. NO FURTHER ACTION REQUIRED.

**H30
NW
1/2-1
0.546 mi.
2885 ft.**

**LAUREL CANYON SHELL
11278 LAUREL CANYON BLVD.
SAN FERNANDO, CA 91340**

**LUST S110071381
N/A**

Site 2 of 2 in cluster H

**Relative:
Higher**

LUST:

**Actual:
1019 ft.**

Region: STATE
Global Id: T10000001666
Latitude: 34.2751979840408
Longitude: -118.449289798737
Case Type: LUST Cleanup Site
Status: Open - Site Assessment
Status Date: 2009-12-16 00:00:00
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Worker: YL
Local Agency: LOS ANGELES, CITY OF
RB Case Number: 913401961A
LOC Case Number: 30424
File Location: Not reported
Potential Media Affect: Soil
Potential Contaminants of Concern: Not reported
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

I31
ENE
1/2-1
0.575 mi.
3036 ft.

TEC-PROCESSING
11263 ILEX STREET
PACOIMA, CA 91331

Site 1 of 3 in cluster I

ENVIROSTOR **S110494367**
N/A

Relative:
Higher

ENVIROSTOR:

Actual:
1040 ft.

Site Type: Tiered Permit
Site Type Detailed: Tiered Permit
Acres: Not reported
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: Not reported
Division Branch: Cleanup Cypress
Facility ID: 71003276
Site Code: Not reported
Assembly: 39
Senate: 20
Special Program: Not reported
Status: Not reported
Status Date: Not reported
Restricted Use: NO
Site Mgmt. Req.: NONE SPECIFIED
Funding: Not reported
Latitude: 34.274403900000003
Longitude: -118.433383000000001
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CAL000068269
Alias Type: EPA Identification Number
Alias Name: 71003276
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: Not reported
Completed Sub Area Name: Not reported
Completed Document Type: Not reported
Completed Date: Not reported
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

I32
ENE
1/2-1
0.575 mi.
3036 ft.

TEC PROCESSING
11263 ILEX AVENUE
PACOIMA, CA
Site 2 of 3 in cluster I

CERCLIS **1014202341**
CAN000908972

Relative:
Higher

CERCLIS:
Site ID: 0908972
Federal Facility: Not a Federal Facility
NPL Status: Not on the NPL
Non NPL Status: PA Start Needed

Actual:
1040 ft.

Site Description: Not reported

CERCLIS Assessment History:

Action: PRE-CERCLIS SCREENING
Date Started: Not reported
Date Completed: 06/09/10
Priority Level: Not reported

Action: DISCOVERY
Date Started: Not reported
Date Completed: 06/09/10
Priority Level: Not reported

I33
ENE
1/2-1
0.575 mi.
3036 ft.

TEC PROCESSING
11263 ILEX AVENUE
PACOIMA, CA 91331
Site 3 of 3 in cluster I

ENVIROSTOR **S110275488**
N/A

Relative:
Higher

ENVIROSTOR:
Site Type: Evaluation
Site Type Detailed: Evaluation
Acres: 0.20000000000000001
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: MANJUL BOSE
Supervisor: Rita Kamat
Division Branch: Cleanup Chatsworth
Facility ID: 60001265
Site Code: Not reported
Assembly: Not reported
Senate: Not reported
Special Program: Not reported
Status: Active
Status Date: 3/2/2010
Restricted Use: NO
Site Mgmt. Req.: NONE SPECIFIED
Funding: EPA Grant
Latitude: 0
Longitude: 0
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: 60001265

Actual:
1040 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TEC PROCESSING (Continued)

S110275488

Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE

Completed Sub Area Name: Not reported

Completed Document Type: Site Screening

Completed Date: 2010-09-09 00:00:00

Comments: Screening was signed and dated June 9, 2010

Future Area Name: Not reported

Future Sub Area Name: Not reported

Future Document Type: Not reported

Future Due Date: Not reported

Schedule Area Name: Not reported

Schedule Sub Area Name: Not reported

Schedule Document Type: Not reported

Schedule Due Date: Not reported

Schedule Revised Date: Not reported

J34
ENE
1/2-1
0.580 mi.
3062 ft.

ROBERT F. CHAPMAN, INC.
13748 DESMOND ST.
PACOIMA, CA 91331

Site 1 of 5 in cluster J

SLIC S106484868
WIP N/A

Relative:
Higher

SLIC:

Region: STATE

Facility Status: Open - Site Assessment

Status Date: 1995-01-03 00:00:00

Global Id: SL603799081

Lead Agency: LOS ANGELES RWQCB (REGION 4)

Lead Agency Case Number: Not reported

Latitude: 34.273294

Longitude: -118.432087

Case Type: Cleanup Program Site

Case Worker: GJH

Local Agency: Not reported

RB Case Number: 111.2690

File Location: Not reported

Potential Media Affected: Aquifer used for drinking water supply

Potential Contaminants of Concern: Not reported

Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

WIP:

Region: 4

File Number: 111.2690

File Status: Backlog

Staff: UNIDENTIFIED

Facility Suite: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

J35
ENE
1/2-1
0.580 mi.
3062 ft.

CHAPMAN MANUFACTURING
13748 DESMOND DRIVE
PACOIMA, CA 91331

Site 2 of 5 in cluster J

CERCLIS **1001491826**
FINDS **CASFN0905481**

Relative:
Higher

CERCLIS:

Site ID: 0905481
Federal Facility: Not a Federal Facility
NPL Status: Not on the NPL
Non NPL Status: PA Start Needed

Actual:
1038 ft.

CERCLIS Site Contact Name(s):

Contact Name: Karen Jurist
Contact Tel: (415) 972-3219
Contact Title: Site Assessment Manager (SAM)

Contact Name: Jeff Inglis
Contact Tel: (415) 972-3095
Contact Title: Site Assessment Manager (SAM)

Contact Name: Carl Brickner
Contact Tel: (415) 972-3814
Contact Title: Site Assessment Manager (SAM)

Contact Name: Dawn Richmond
Contact Tel: (415) 972-3097
Contact Title: Site Assessment Manager (SAM)

Contact Name: Dawn Richmond
Contact Tel: (415) 972-3097
Contact Title: Site Assessment Manager (SAM)

CERCLIS Site Alias Name(s):

Alias Name: FLYNN'S PLATING
Alias Address: Not reported
Not reported

Site Description: Not reported

CERCLIS Assessment History:

Action: DISCOVERY
Date Started: Not reported
Date Completed: 07/10/98
Priority Level: Not reported

FINDS:

Registry ID: 110009269692

Environmental Interest/Information System

CERCLIS (Comprehensive Environmental Response, Compensation, and Liability Information System) is the Superfund database that is used to support management in all phases of the Superfund program. The system contains information on all aspects of hazardous waste sites, including an inventory of sites, planned and actual site activities, and financial information.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

J36
ENE
1/2-1
0.616 mi.
3251 ft.
AMERICAN ETCHING
13730 DESMOND ST.
PACOIMA, CA 91331
Site 3 of 5 in cluster J

SLIC **S106484817**
N/A

Relative:
Higher

SLIC:

Actual:
1041 ft.

Region: STATE
Facility Status: **Open - Site Assessment**
Status Date: 1996-06-20 00:00:00
Global Id: SL603799024
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number: Not reported
Latitude: 34.273635
Longitude: -118.431633
Case Type: Cleanup Program Site
Case Worker: GJH
Local Agency: Not reported
RB Case Number: 111.0092
File Location: Not reported
Potential Media Affected: Aquifer used for drinking water supply
Potential Contaminants of Concern: Not reported
Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

J37
ENE
1/2-1
0.616 mi.
3251 ft.
AMERICAN ETCHING MANUFACTURING
13730 DESMOND STREET
PACOIMA, CA
Site 4 of 5 in cluster J

ENVIROSTOR **S108484739**
N/A

Relative:
Higher

ENVIROSTOR:

Actual:
1041 ft.

Site Type: Tiered Permit
Site Type Detailed: Tiered Permit
Acres: Not reported
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: Not reported
Division Branch: Cleanup Cypress
Facility ID: 71002523
Site Code: Not reported
Assembly: 39
Senate: 20
Special Program: Not reported
Status: Not reported
Status Date: Not reported
Restricted Use: NO
Site Mgmt. Req.: NONE SPECIFIED
Funding: Not reported
Latitude: 34.273634999999999
Longitude: -118.431633000000001
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CAD064573405

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AMERICAN ETCHING MANUFACTURING (Continued)

S108484739

Alias Type: EPA Identification Number
Alias Name: 71002523
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: Not reported
Completed Sub Area Name: Not reported
Completed Document Type: Not reported
Completed Date: Not reported
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

Site Type: Evaluation
Site Type Detailed: Evaluation
Acres: 0.17000000000000001
NPL: NO
Regulatory Agencies: SMBRP, US EPA
Lead Agency: SMBRP
Program Manager: Not reported
Supervisor: Rita Kamat
Division Branch: Cleanup Chatsworth
Facility ID: 60000608
Site Code: Not reported
Assembly: 39
Senate: 20
Special Program: EPA - PASI
Status: Inactive - Action Required
Status Date: 6/30/2007
Restricted Use: NO
Site Mgmt. Req.: NONE SPECIFIED
Funding: EPA Grant
Latitude: 34.273634799301298
Longitude: -118.431632515565
APN: Not reported
Past Use: METAL FINISHING, METAL PLATING - CHROME, METAL PLATING - OTHER
Potential COC: 30022, 30027
Confirmed COC: 30022-NO,30027-NO
Potential Description: OTH, SOIL, SV
Alias Name: 2616030035
Alias Type: APN
Alias Name: 60000608
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 2007-06-21 00:00:00
Comments: EPA approved the assessment for the site.

Map ID
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AMERICAN ETCHING MANUFACTURING (Continued)

S108484739

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

J38
ENE
1/2-1
0.616 mi.
3251 ft.
Relative:
Higher
Actual:
1041 ft.

AMERICAN ETCHING AND MANUFACTURING
13730 DESMOND ST
PACOIMA, CA 91331
Site 5 of 5 in cluster J

CERC-NFRAP
CORRACTS
RCRA-LQG
NPDES
WDS
HIST CORTESE
LUST
CA FID UST
HIST UST
SWEEPS UST
WIP
HAZNET
ENVIROSTOR

1000360637
CAD064573405

CERC-NFRAP:
Site ID: 0900269
Federal Facility: Not a Federal Facility
NPL Status: Not on the NPL
Non NPL Status: Site Reassessment Start Needed

CERCLIS-NFRAP Site Contact Name(s):
Contact Title: Not reported
Contact Name: Carl Brickner
Contact Tel: (415) 972-3814

Contact Title: Not reported
Contact Name: Brunilda Davila
Contact Tel: (415) 972-3162

Contact Title: Not reported
Contact Name: Jeff Inglis
Contact Tel: (415) 972-3095

Contact Title: Not reported
Contact Name: Karen Jurist
Contact Tel: (415) 972-3219

Contact Title: Not reported
Contact Name: Matt Mitguard
Contact Tel: (415) 972-3096

CERCLIS-NFRAP Site Alias Name(s):
Alias Name: AMERICAN CHEM ETCHING CO
Alias Address: Not reported
CA

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AMERICAN ETCHING AND MANUFACTURING (Continued)

1000360637

Program Priority:

Description: RCRA Deferral Audit

Description: RCRA Deferral - New Decision

Description: RCRA Deferral - Further Superfund Assessment

CERCLIS-NFRAP Assessment History:

Action: DISCOVERY

Date Started: Not reported

Date Completed: 08/24/1990

Priority Level: Not reported

Action: PRELIMINARY ASSESSMENT

Date Started: Not reported

Date Completed: 03/26/1991

Priority Level: Deferred to RCRA (Subtitle C)

Action: ARCHIVE SITE

Date Started: Not reported

Date Completed: 01/23/1996

Priority Level: Not reported

CORRACTS:

EPA ID: CAD064573405

EPA Region: 9

Area Name: ENTIRE FACILITY

Actual Date: 3/26/1991

Action: CA075ME - CA Prioritization, Facility or area was assigned a medium corrective action priority

NAICS Code(s): 332999 332813

All Other Miscellaneous Fabricated Metal Product Manufacturing
Electroplating, Plating, Polishing, Anodizing, and Coloring

Original schedule date: Not reported

Schedule end date: Not reported

RCRA-LQG:

Date form received by agency: 01/22/2008

Facility name: AMERICAN ETCHING AND MFG.

Facility address: 13730 DESMOND ST.
PACOIMA, CA 91331

EPA ID: CAD064573405

Contact: BRIAN S WASSELL

Contact address: Not reported

Not reported

Contact country: Not reported

Contact telephone: (818) 896-1187

Telephone ext.: 20

Contact email: BRIAN@AEMETCH.COM

EPA Region: 09

Land type: Private

Classification: Large Quantity Generator

Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
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AMERICAN ETCHING AND MANUFACTURING (Continued)

1000360637

during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name: GARY KIPKA
Owner/operator address: 13730 DESMOND ST.
PACOIMA, CA 91331
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 02/17/2006
Owner/Op end date: Not reported

Owner/operator name: AMERICAN ETCHING AND MFG
Owner/operator address: Not reported
Not reported
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 03/01/1993
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No
Off-site waste receiver: Commercial status unknown

Universal Waste Summary:

Waste type: Batteries
Accumulated waste on-site: No
Generated waste on-site: Not reported

Waste type: Lamps

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
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AMERICAN ETCHING AND MANUFACTURING (Continued)

1000360637

Accumulated waste on-site: No
Generated waste on-site: Not reported

Waste type: Pesticides
Accumulated waste on-site: No
Generated waste on-site: Not reported

Waste type: Thermostats
Accumulated waste on-site: No
Generated waste on-site: Not reported

Historical Generators:

Date form received by agency: 02/15/2006
Facility name: AMERICAN ETCHING AND MFG.
Site name: AMERICAN ETCHING AND MFG
Classification: Large Quantity Generator

Date form received by agency: 02/19/2004
Facility name: AMERICAN ETCHING AND MFG.
Site name: AMERICAN ETCHING AND MFG
Classification: Large Quantity Generator

Date form received by agency: 02/05/2002
Facility name: AMERICAN ETCHING AND MFG.
Site name: AMERICAN ETCHING AND MFG
Classification: Large Quantity Generator

Date form received by agency: 10/12/2000
Facility name: AMERICAN ETCHING AND MFG.
Site name: AMERICAN ETCHING AND MANUFACTURING
Classification: Large Quantity Generator

Date form received by agency: 03/04/1999
Facility name: AMERICAN ETCHING AND MFG.
Classification: Large Quantity Generator

Date form received by agency: 09/01/1996
Facility name: AMERICAN ETCHING AND MFG.
Site name: AMERICAN ETCHING AND MFG
Classification: Large Quantity Generator

Date form received by agency: 02/16/1996
Facility name: AMERICAN ETCHING AND MFG.
Site name: AMERICAN ETCHING AND MFG
Classification: Large Quantity Generator

Date form received by agency: 03/17/1994
Facility name: AMERICAN ETCHING AND MFG.
Classification: Large Quantity Generator

Date form received by agency: 09/21/1992
Facility name: AMERICAN ETCHING AND MFG.
Site name: AMERICAN ETCHING AND MFG
Classification: Large Quantity Generator

Date form received by agency: 02/29/1992
Facility name: AMERICAN ETCHING AND MFG.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AMERICAN ETCHING AND MANUFACTURING (Continued)

1000360637

Site name: AMERICAN ETCHING & MFG.
Classification: Large Quantity Generator

Date form received by agency: 03/20/1990
Facility name: AMERICAN ETCHING AND MFG.
Site name: AMERICAN ETCHING AND MANUFACTURING
Classification: Large Quantity Generator

Hazardous Waste Summary:

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D002
Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

Waste code: D007
Waste name: CHROMIUM

Waste code: F006
Waste name: WASTEWATER TREATMENT SLUDGES FROM ELECTROPLATING OPERATIONS EXCEPT FROM THE FOLLOWING PROCESSES: (1) SULFURIC ACID ANODIZING OF ALUMINUM; (2) TIN PLATING ON CARBON STEEL; (3) ZINC PLATING (SEGREGATED BASIS) ON CARBON STEEL; (4) ALUMINUM OR ZINC-ALUMINUM PLATING ON CARBON STEEL; (5) CLEANING/STRIPPING ASSOCIATED WITH TIN, ZINC AND ALUMINUM PLATING ON CARBON STEEL; AND (6) CHEMICAL ETCHING AND MILLING OF ALUMINUM.

Biennial Reports:

Last Biennial Reporting Year: 2009

Annual Waste Handled:

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Amount (Lbs): 450

Waste code: D002
Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A

Map ID
Direction
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Elevation

MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

AMERICAN ETCHING AND MANUFACTURING (Continued)

1000360637

CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

Amount (Lbs): 157232

Waste code: D007
Waste name: CHROMIUM
Amount (Lbs): 156782

Waste code: F006
Waste name: WASTEWATER TREATMENT SLUDGES FROM ELECTROPLATING OPERATIONS EXCEPT FROM THE FOLLOWING PROCESSES: (1) SULFURIC ACID ANODIZING OF ALUMINUM; (2) TIN PLATING ON CARBON STEEL; (3) ZINC PLATING (SEGREGATED BASIS) ON CARBON STEEL; (4) ALUMINUM OR ZINC-ALUMINUM PLATING ON CARBON STEEL; (5) CLEANING/STRIPPING ASSOCIATED WITH TIN, ZINC AND ALUMINUM PLATING ON CARBON STEEL; AND (6) CHEMICAL ETCHING AND MILLING OF ALUMINUM.
Amount (Lbs): 44040

Corrective Action Summary:

Event date: 03/26/1991
Event: CA029WQ

Event date: 03/26/1991
Event: CA049PA

Event date: 03/26/1991
Event: CA Prioritization, Facility or area was assigned a medium corrective action priority.

Event date: 03/26/1991
Event: CA074ME

Event date: Not reported
Event: CA03193

Facility Has Received Notices of Violations:

Regulation violated: Not reported
Area of violation: Generators - Pre-transport
Date violation determined: 09/28/2006
Date achieved compliance: Not reported
Violation lead agency: EPA
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 264.140-150.H
Area of violation: TSD - Financial Requirements

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AMERICAN ETCHING AND MANUFACTURING (Continued)

1000360637

Date violation determined: 07/28/1989
Date achieved compliance: 11/29/1995
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 07/25/1989
Date achieved compliance: 08/02/1989
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 08/31/1989
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 264.140-150.H
Area of violation: TSD - Financial Requirements
Date violation determined: 07/29/1987
Date achieved compliance: 11/29/1995
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 02/14/1986
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 04/17/2007
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 09/28/2006
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Pre-transport
Date achieved compliance: Not reported
Evaluation lead agency: EPA

Evaluation date: 07/28/1989
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: TSD - Financial Requirements
Date achieved compliance: 11/29/1995

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AMERICAN ETCHING AND MANUFACTURING (Continued)

1000360637

Evaluation lead agency: State

Evaluation date: 07/25/1989
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 08/02/1989
Evaluation lead agency: State

Evaluation date: 07/29/1987
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: TSD - Financial Requirements
Date achieved compliance: 11/29/1995
Evaluation lead agency: State

NPDES:

Npdes Number: Not reported
Facility Status: Active
Agency Id: 3148
Region: 4
Regulatory Measure Id: 188579
Order No: 97-03-DWQ
Regulatory Measure Type: Storm water industrial
Place Id: 205494
WDID: 4 19I000276
Program Type: INDSTW
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: 3/6/1992
Expiration Date Of Regulatory Measure: Not reported
Termination Date Of Regulatory Measure: Not reported
Discharge Name: American Etching & Manufacturing
Discharge Address: 13730 Desmond St
Discharge City: Pacoima
Discharge State: CA
Discharge Zip: 91331-2706

CA WDS:

Facility ID: 4 19I000276
Facility Type: Industrial - Facility that treats and/or disposes of liquid or semisolid wastes from any servicing, producing, manufacturing or processing operation of whatever nature, including mining, gravel washing, geothermal operations, air conditioning, ship building and repairing, oil production, storage and disposal operations, water pumping.

Facility Status: Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
NPDES Number: CAS000001 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board

Subregion: 4
Facility Telephone: 8188961187
Facility Contact: BRIAN WASSELL
Agency Name: AMERICAN ETCHING & MFG
Agency Address: 13730 Desmond St
Agency City,St,Zip: Pacoima 913312706
Agency Contact: BRIAN WASSELL
Agency Telephone: 8188961187
Agency Type: City
SIC Code: 0

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AMERICAN ETCHING AND MANUFACTURING (Continued)

1000360637

SIC Code 2: Not reported
Primary Waste: Not reported
Primary Waste Type: Not reported
Secondary Waste: Not reported
Secondary Waste Type: Not reported
Design Flow: 0
Baseline Flow: 0
Reclamation: Not reported
POTW: Not reported
Treat To Water: Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.

Complexity: Category C - Facilities having no waste treatment systems, such as cooling water dischargers or those who must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.

CORTESE:

Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: 111.0092

LUST:

Region: STATE
Global Id: T0603700183
Latitude: 34.273635
Longitude: -118.431633
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 1996-11-18 00:00:00
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Worker: WIP
Local Agency: LOS ANGELES, CITY OF
RB Case Number: 111.0092
LOC Case Number: Not reported
File Location: Not reported
Potential Media Affect: Soil
Potential Contaminants of Concern: * Solvents
Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

LUST REG 4:

Region: 4
Regional Board: 04
County: Los Angeles
facid: 111.0092
Status: Case Closed
Substance: Solvents
Substance Quantity: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AMERICAN ETCHING AND MANUFACTURING (Continued)

1000360637

Local Case No: Not reported
Case Type: Soil
Abatement Method Used at the Site: Not reported
Global ID: T0603700183
W Global ID: Not reported
Staff: wip
Local Agency: 19050
Cross Street: SAN FERNANDO RD
Enforcement Type: Not reported
Date Leak Discovered: 9/24/1984
Date Leak First Reported: 1/31/1984
Date Leak Record Entered: 12/31/1986
Date Confirmation Began: Not reported
Date Leak Stopped: 9/24/1984
Date Case Last Changed on Database: 3/13/1996
Date the Case was Closed: 11/18/1996
How Leak Discovered: Not reported
How Leak Stopped: Not reported
Cause of Leak: UNK
Leak Source: UNK
Operator: BEEM, ROGER
Water System: Not reported
Well Name: Not reported
Approx. Dist To Production Well (ft): 9579.8384457989812179593527
Source of Cleanup Funding: UNK
Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: Not reported
Pollution Characterization Began: 2/17/1989
Remediation Plan Submitted: Not reported
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: Not reported
Enforcement Action Date: Not reported
Historical Max MTBE Date: Not reported
Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil: Not reported
Significant Interim Remedial Action Taken: Yes
GW Qualifier: Not reported
Soil Qualifier: Not reported
Organization: Not reported
Owner Contact: Not reported
Responsible Party: AMERICAN ETCHING & MFG.
RP Address: 13730 DESMOND ST, PACAIMO, CA 91331
Program: LUST
Lat/Long: 34.273752 / -1
Local Agency Staff: PEJ
Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: CASE INITIATED BY RWQCB IN 1984. SITE ASSESSMENT WORK INCONCLUSIVE
BECAUSE THE DETECTION LIMIT FOR SOIL SAMPLE ANALYSIS WAS TOO HIGH.

CA FID UST:

Facility ID: 19000055
Regulated By: UTNKA
Regulated ID: 00034330

Map ID
Direction
Distance
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AMERICAN ETCHING AND MANUFACTURING (Continued)

1000360637

Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 8188961187
Mail To: Not reported
Mailing Address: 13730 DESMOND ST
Mailing Address 2: Not reported
Mailing City,St,Zip: PACOIMA 913310000
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

HIST UST:

Region: STATE
Facility ID: 00000034330
Facility Type: Other
Other Type: PHOTO CHEM. ETCHING
Total Tanks: 0007
Contact Name: ROGER C. BEEM
Telephone: 8188961187
Owner Name: AMERICAN ETCHING & MANUFACTURI
Owner Address: 13730 DESMOND STREET
Owner City,St,Zip: PACOIMA, CA 91331

Tank Num: 001
Container Num: 01
Year Installed: 1980
Tank Capacity: 00006000
Tank Used for: WASTE
Type of Fuel: Not reported
Tank Construction: 3/8 inches
Leak Detection: Stock Inventor

Tank Num: 002
Container Num: 02
Year Installed: 1980
Tank Capacity: 00003000
Tank Used for: WASTE
Type of Fuel: Not reported
Tank Construction: 3/16 inches
Leak Detection: Stock Inventor

Tank Num: 003
Container Num: 03
Year Installed: Not reported
Tank Capacity: 00001200
Tank Used for: WASTE
Type of Fuel: Not reported
Tank Construction: 6 inches
Leak Detection: Visual

Tank Num: 004
Container Num: 04
Year Installed: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AMERICAN ETCHING AND MANUFACTURING (Continued)

1000360637

Tank Capacity: 00000500
Tank Used for: WASTE
Type of Fuel: Not reported
Tank Construction: 6 inches
Leak Detection: Visual

Tank Num: 005
Container Num: 05
Year Installed: 1984
Tank Capacity: 00000700
Tank Used for: WASTE
Type of Fuel: Not reported
Tank Construction: 8 inches
Leak Detection: Visual

Tank Num: 006
Container Num: 06
Year Installed: 1983
Tank Capacity: 00000450
Tank Used for: WASTE
Type of Fuel: Not reported
Tank Construction: 6 inches
Leak Detection: Visual

Tank Num: 007
Container Num: 07
Year Installed: 1984
Tank Capacity: 00000040
Tank Used for: WASTE
Type of Fuel: Not reported
Tank Construction: 1/2 inches
Leak Detection: Visual

SWEEPS UST:

Status: A
Comp Number: 1979
Number: 9
Board Of Equalization: 44-012113
Ref Date: 01-22-93
Act Date: 04-07-94
Created Date: 02-29-88
Tank Status: A
Owner Tank Id: Not reported
Swrcb Tank Id: 19-050-001979-000001
Actv Date: 04-20-88
Capacity: 6000
Tank Use: CHEMICAL
Stg: P
Content: UNKNOWN
Number Of Tanks: 7

Status: A
Comp Number: 1979
Number: 9
Board Of Equalization: 44-012113
Ref Date: 01-22-93
Act Date: 04-07-94

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AMERICAN ETCHING AND MANUFACTURING (Continued)

1000360637

Created Date: 02-29-88
Tank Status: A
Owner Tank Id: Not reported
Swrcb Tank Id: 19-050-001979-000002
Actv Date: 04-20-88
Capacity: 3000
Tank Use: CHEMICAL
Stg: P
Content: UNKNOWN
Number Of Tanks: Not reported

Status: A
Comp Number: 1979
Number: 9
Board Of Equalization: 44-012113
Ref Date: 01-22-93
Act Date: 04-07-94
Created Date: 02-29-88
Tank Status: A
Owner Tank Id: Not reported
Swrcb Tank Id: 19-050-001979-000003
Actv Date: 04-20-88
Capacity: 1200
Tank Use: CHEMICAL
Stg: P
Content: UNKNOWN
Number Of Tanks: Not reported

Status: A
Comp Number: 1979
Number: 9
Board Of Equalization: 44-012113
Ref Date: 01-22-93
Act Date: 04-07-94
Created Date: 02-29-88
Tank Status: A
Owner Tank Id: Not reported
Swrcb Tank Id: 19-050-001979-000004
Actv Date: 04-20-88
Capacity: 500
Tank Use: CHEMICAL
Stg: P
Content: UNKNOWN
Number Of Tanks: Not reported

Status: A
Comp Number: 1979
Number: 9
Board Of Equalization: 44-012113
Ref Date: 01-22-93
Act Date: 04-07-94
Created Date: 02-29-88
Tank Status: A
Owner Tank Id: Not reported
Swrcb Tank Id: 19-050-001979-000005
Actv Date: 04-20-88
Capacity: 700

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AMERICAN ETCHING AND MANUFACTURING (Continued)

1000360637

Tank Use: CHEMICAL
Stg: P
Content: UNKNOWN
Number Of Tanks: Not reported

Status: A
Comp Number: 1979
Number: 9
Board Of Equalization: 44-012113
Ref Date: 01-22-93
Act Date: 04-07-94
Created Date: 02-29-88
Tank Status: A
Owner Tank Id: Not reported
Swrcb Tank Id: 19-050-001979-000006
Actv Date: 04-20-88
Capacity: 450
Tank Use: CHEMICAL
Stg: P
Content: UNKNOWN
Number Of Tanks: Not reported

Status: A
Comp Number: 1979
Number: 9
Board Of Equalization: 44-012113
Ref Date: 01-22-93
Act Date: 04-07-94
Created Date: 02-29-88
Tank Status: A
Owner Tank Id: Not reported
Swrcb Tank Id: 19-050-001979-000007
Actv Date: 04-20-88
Capacity: 40
Tank Use: CHEMICAL
Stg: P
Content: UNKNOWN
Number Of Tanks: Not reported

WIP:

Region: 4
File Number: 111.0092
File Status: Backlog
Staff: UNIDENTIFIED
Facility Suite: Not reported

HAZNET:

Gepaid: CAD064573405
Contact: BRIAN WASSELL
Telephone: 8188961187
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 13730 DESMOND ST
Mailing City,St,Zip: PACOIMA, CA 913312706
Gen County: Los Angeles
TSD EPA ID: CAD008488025

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AMERICAN ETCHING AND MANUFACTURING (Continued)

1000360637

TSD County: Los Angeles
Waste Category: Liquids with pH <UN-> 2 with metals
Disposal Method: Not reported
Tons: 10.61
Facility County: Los Angeles

Gepaid: CAD064573405
Contact: BRIAN WASSELL
Telephone: 8188961187
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 13730 DESMOND ST
Mailing City,St,Zip: PACOIMA, CA 913312706
Gen County: Los Angeles
TSD EPA ID: CAD044429835
TSD County: Los Angeles
Waste Category: Other organic solids
Disposal Method: Disposal, Other
Tons: 0.16
Facility County: Los Angeles

Gepaid: CAD064573405
Contact: BRIAN WASSELL
Telephone: 8188961187
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 13730 DESMOND ST
Mailing City,St,Zip: PACOIMA, CA 913312706
Gen County: Los Angeles
TSD EPA ID: CAD008488025
TSD County: Los Angeles
Waste Category: Liquids with pH <UN-> 2 with metals
Disposal Method: Recycler
Tons: 48.26
Facility County: Los Angeles

Gepaid: CAD064573405
Contact: BRIAN WASSELL
Telephone: 8188961187
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 13730 DESMOND ST
Mailing City,St,Zip: PACOIMA, CA 913312706
Gen County: Los Angeles
TSD EPA ID: AZD980735500
TSD County: Los Angeles
Waste Category: Metal sludge - Alkaline solution (pH <UN-> 12.5) with metals
(antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt,
copper, lead, mercury, molybdenum, nickel, selenium, silver, thallium,
vanadium, and zinc)
Disposal Method: Recycler
Tons: 36.24
Facility County: Los Angeles

Gepaid: CAD064573405
Contact: BRIAN WASSELL
Telephone: 8188961187

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AMERICAN ETCHING AND MANUFACTURING (Continued)

1000360637

Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 13730 DESMOND ST
Mailing City,St,Zip: PACOIMA, CA 913312706
Gen County: Los Angeles
TSD EPA ID: CAD044429835
TSD County: Los Angeles
Waste Category: Unspecified solvent mixture Waste
Disposal Method: Recycler
Tons: 0.1
Facility County: Los Angeles

[Click this hyperlink](#) while viewing on your computer to access
100 additional CA_HAZNET: record(s) in the EDR Site Report.

ENVIROSTOR:

Site Type: Corrective Action
Site Type Detailed: Corrective Action
Acres: 0
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: * Unknown
Division Branch: Cleanup Chatsworth
Facility ID: 80001449
Site Code: Not reported
Assembly: 39
Senate: 39
Special Program: Not reported
Status: * Inactive
Status Date: 1/1/2008
Restricted Use: NO
Site Mgmt. Req.: NONE SPECIFIED
Funding: Not reported
Latitude: 34.273611010641503
Longitude: -118.43160867691
APN: Not reported
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: 2616030035
Alias Type: APN
Alias Name: CAD064573405
Alias Type: EPA Identification Number
Alias Name: 80001449
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Report
Completed Date: 1991-03-26 00:00:00
Comments: Not reported

Future Area Name: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AMERICAN ETCHING AND MANUFACTURING (Continued)

1000360637

Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

K39
ENE
1/2-1
0.643 mi.
3393 ft.

CP PLATING
13717 DESMOND STREET
PACOIMA, CA 91331

ENVIROSTOR **S110493757**
N/A

Site 1 of 2 in cluster K

Relative:
Higher

ENVIROSTOR:

Actual:
1043 ft.

Site Type: Tiered Permit
Site Type Detailed: Tiered Permit
Acres: 0
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: Not reported
Division Branch: Cleanup Cypress
Facility ID: 71004122
Site Code: Not reported
Assembly: 39
Senate: 20
Special Program: Not reported
Status: Not reported
Status Date: Not reported
Restricted Use: NO
Site Mgmt. Req.: NONE SPECIFIED
Funding: Not reported
Latitude: 34.26250000000003
Longitude: -118.42610999999999
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: 71004122
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: Not reported
Completed Sub Area Name: Not reported
Completed Document Type: Not reported
Completed Date: Not reported
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CP PLATING (Continued)

S110493757

Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

L40
NE
1/2-1
0.652 mi.
3443 ft.

LA CITY DEPT PUBLIC WORKS
11370 SAN FERNANDO
SAN FERNANDO, CA 91340

HIST CORTESE
LUST
HAZNET
EMI

S100938547
N/A

Site 1 of 2 in cluster L

Relative:
Higher

CORTESE:
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: 913400170

Actual:
1050 ft.

LUST:

Region: STATE
Global Id: T0603702248
Latitude: 34.2813901
Longitude: -118.4589023
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 1996-07-22 00:00:00
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Worker: YR
Local Agency: LOS ANGELES, CITY OF
RB Case Number: 913400170
LOC Case Number: Not reported
File Location: Not reported
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Kerosene
Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

LUST REG 4:

Region: 4
Regional Board: 04
County: Los Angeles
facid: 913400170
Status: Case Closed
Substance: Kerosene
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Groundwater
Abatement Method Used at the Site: Not reported
Global ID: T0603702248
W Global ID: Not reported
Staff: UNK
Local Agency: 19050
Cross Street: TRUMAN
Enforcement Type: Not reported
Date Leak Discovered: Not reported
Date Leak First Reported: 1/31/1984
Date Leak Record Entered: 12/31/1986
Date Confirmation Began: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LA CITY DEPT PUBLIC WORKS (Continued)

S100938547

Date Leak Stopped: Not reported
Date Case Last Changed on Database: 7/14/1988
Date the Case was Closed: 7/22/1996
How Leak Discovered: Not reported
How Leak Stopped: Not reported
Cause of Leak: UNK
Leak Source: UNK
Operator: Not reported
Water System: Not reported
Well Name: Not reported
Approx. Dist To Production Well (ft): 8022.392592803323623286321166
Source of Cleanup Funding: UNK
Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: Not reported
Pollution Characterization Began: 4/18/1988
Remediation Plan Submitted: Not reported
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: Not reported
Enforcement Action Date: Not reported
Historical Max MTBE Date: Not reported
Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil: Not reported
Significant Interim Remedial Action Taken: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Organization: Not reported
Owner Contact: Not reported
Responsible Party: CITY OF LA DPW, BUREAU OF ENG.
RP Address: 650 S SPRING ST, SUITE 200, LOS ANGELES CA 90014
Program: LUST
Lat/Long: 34.2780329 / -1
Local Agency Staff: PEJ
Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: LDP INADEQUATE REVISED PLAN REQUESTED REFFERED BACK TO LA CITY FOR
LEAK DETECTIO

KEROSENE FOUND

HAZNET:

Gepaid: CAD981989163
Contact: Not reported
Telephone: 0000000000
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 200 N MAIN ST STE 800
Mailing City,St,Zip: LOS ANGELES, CA 900120000
Gen County: Los Angeles
TSD EPA ID: CAT080013352
TSD County: Los Angeles
Waste Category: Waste oil and mixed oil
Disposal Method: Recycler
Tons: 10.5084
Facility County: Los Angeles

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LA CITY DEPT PUBLIC WORKS (Continued)

S100938547

EMI:

Year: 1990
County Code: 19
Air Basin: SC
Facility ID: 57796
Air District Name: SC
SIC Code: 2951
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 3
Reactive Organic Gases Tons/Yr: 3
Carbon Monoxide Emissions Tons/Yr: 62
NOX - Oxides of Nitrogen Tons/Yr: 3
SOX - Oxides of Sulphur Tons/Yr: 4
Particulate Matter Tons/Yr: 3
Part. Matter 10 Micrometers & Smlr Tons/Yr: 1

L41
NE
1/2-1
0.653 mi.
3446 ft.

SAN FERNANDO ST. MDY
11370 SAN FERNANDO RD.
LOS ANGELES, CA

SWF/LF **S109422371**
N/A

Site 2 of 2 in cluster L

Relative:
Higher

CA LA LF:
Region: LA CITY
Facility Status: SMALL VOLUME TRANSFER
Permit Number: 19-AA-0811
Council District: 7
Permitted Tonnage: less than 100 cu yds

Actual:
1050 ft.

K42
ENE
1/2-1
0.681 mi.
3597 ft.

CHANITO RECYCLING
11243 SAN FERNANDO RD
SAN FERNANDO, CA 91340

SWRCY **S101584104**
CA FID UST **N/A**
SWEEPS UST

Site 2 of 2 in cluster K

Relative:
Higher

SWRCY:
Facility Phone Number: (818) 378-8041
Whether The Facility Is Grandfathered: N
Effective Date: 09/01/2009
Rural: N
As Of: 11/17/2010
Party Number: 42028

Actual:
1045 ft.

CA FID UST:

Facility ID: 19008549
Regulated By: UTNKA
Regulated ID: Not reported
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 8188901737
Mail To: Not reported
Mailing Address: 11243 SAN FERNANDO RD
Mailing Address 2: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHANITO RECYCLING (Continued)

S101584104

Mailing City,St,Zip: SAN FERNANDO 913400000
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

SWEEPS UST:

Status: Not reported
Comp Number: 4356
Number: Not reported
Board Of Equalization: 44-013200
Ref Date: Not reported
Act Date: Not reported
Created Date: Not reported
Tank Status: Not reported
Owner Tank Id: Not reported
Swrcb Tank Id: 19-050-004356-000004
Actv Date: Not reported
Capacity: 1
Tank Use: CHEMICAL
Stg: PRODUCT
Content: UNKNOWN
Number Of Tanks: 1

Status: A
Comp Number: 4356
Number: 3
Board Of Equalization: 44-013200
Ref Date: 02-25-93
Act Date: 05-02-94
Created Date: 02-29-88
Tank Status: A
Owner Tank Id: Not reported
Swrcb Tank Id: 19-050-004356-000001
Actv Date: 04-20-88
Capacity: Not reported
Tank Use: CHEMICAL
Stg: P
Content: UNKNOWN
Number Of Tanks: 3

Status: A
Comp Number: 4356
Number: 3
Board Of Equalization: 44-013200
Ref Date: 02-25-93
Act Date: 05-02-94
Created Date: 02-29-88
Tank Status: A
Owner Tank Id: Not reported
Swrcb Tank Id: 19-050-004356-000002
Actv Date: 04-20-88
Capacity: Not reported
Tank Use: CHEMICAL

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHANITO RECYCLING (Continued)

S101584104

Stg: P
Content: UNKNOWN
Number Of Tanks: Not reported

Status: A
Comp Number: 4356
Number: 3
Board Of Equalization: 44-013200
Ref Date: 02-25-93
Act Date: 05-02-94
Created Date: 02-29-88
Tank Status: A
Owner Tank Id: Not reported
Swrcb Tank Id: 19-050-004356-000003
Actv Date: 04-20-88
Capacity: Not reported
Tank Use: CHEMICAL
Stg: P
Content: UNKNOWN
Number Of Tanks: Not reported

43
North
1/2-1
0.713 mi.
3764 ft.

GTE
401 BRAND BLVD S
SAN FERNANDO, CA 91340

LUST **S100526021**
N/A

Relative:
Higher

LUST:
Region: STATE
Global Id: T0603702247
Latitude: 34.2805413
Longitude: -118.441452
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 1989-01-13 00:00:00
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Worker: YR
Local Agency: LOS ANGELES COUNTY
RB Case Number: 913400116
LOC Case Number: Not reported
File Location: Not reported
Potential Media Affect: Soil
Potential Contaminants of Concern: Gasoline
Site History: Not reported

Actual:
1056 ft.

[Click here to access the California GeoTracker records for this facility:](#)

LUST REG 4:
Region: 4
Regional Board: 04
County: Los Angeles
facid: 913400116
Status: Case Closed
Substance: Gasoline
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Soil

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GTE (Continued)

S100526021

Abatement Method Used at the Site:	Not reported
Global ID:	T0603702247
W Global ID:	Not reported
Staff:	UNK
Local Agency:	19000
Cross Street:	HOLLISTER ST.
Enforcement Type:	Not reported
Date Leak Discovered:	Not reported
Date Leak First Reported:	6/19/1985
Date Leak Record Entered:	12/31/1986
Date Confirmation Began:	Not reported
Date Leak Stopped:	Not reported
Date Case Last Changed on Database:	1/13/1989
Date the Case was Closed:	1/13/1989
How Leak Discovered:	Not reported
How Leak Stopped:	Not reported
Cause of Leak:	UNK
Leak Source:	UNK
Operator:	Not reported
Water System:	Not reported
Well Name:	Not reported
Approx. Dist To Production Well (ft):	6576.860095262120048611444441
Source of Cleanup Funding:	UNK
Preliminary Site Assessment Workplan Submitted:	Not reported
Preliminary Site Assessment Began:	Not reported
Pollution Characterization Began:	7/22/1988
Remediation Plan Submitted:	Not reported
Remedial Action Underway:	Not reported
Post Remedial Action Monitoring Began:	Not reported
Enforcement Action Date:	Not reported
Historical Max MTBE Date:	Not reported
Hist Max MTBE Conc in Groundwater:	Not reported
Hist Max MTBE Conc in Soil:	Not reported
Significant Interim Remedial Action Taken:	Not reported
GW Qualifier:	Not reported
Soil Qualifier:	Not reported
Organization:	Not reported
Owner Contact:	Not reported
Responsible Party:	BLANK RP
RP Address:	Not reported
Program:	LUST
Lat/Long:	34.2805968 / -1
Local Agency Staff:	Not reported
Beneficial Use:	Not reported
Priority:	Not reported
Cleanup Fund Id:	Not reported
Suspended:	Not reported
Assigned Name:	Not reported
Summary:	TANK AND CONTAMINATED SOIL REMOVED.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

44
East
1/2-1
0.792 mi.
4181 ft.

CHEVRON - JIM HAYNES
11113 SAN FERNANDO RD.
LOS ANGELES, CA

SWEEPS UST
Notify 65

S100178823
N/A

Relative:
Higher

SWEEPS UST:

Actual:
1032 ft.

Status: A
Comp Number: 8287
Number: 1
Board Of Equalization: Not reported
Ref Date: 09-23-93
Act Date: 09-23-93
Created Date: 09-23-93
Tank Status: Not reported
Owner Tank Id: Not reported
Swrcb Tank Id: Not reported
Actv Date: Not reported
Capacity: Not reported
Tank Use: Not reported
Stg: Not reported
Content: Not reported
Number Of Tanks: Not reported

Notify 65:

Date Reported: Not reported
Staff Initials: Not reported
Board File Number: Not reported
Facility Type: Not reported
Discharge Date: Not reported
Incident Description: Not reported

M45
ENE
1/2-1
0.859 mi.
4536 ft.

PRICE PFISTER INCORPORATED
13500 PAXTON ST.
PACOIMA, CA 91331
Site 1 of 2 in cluster M

CERCLIS
RCRA-LQG
FINDS
CA FID UST
HIST UST
SWEEPS UST
ENVIROSTOR

1000168465
CAD008384190

Relative:
Higher

Actual:
1042 ft.

CERCLIS:

Site ID: 0905315
Federal Facility: Not a Federal Facility
NPL Status: Not on the NPL
Non NPL Status: Other Cleanup Activity: State-Lead Cleanup

CERCLIS Site Contact Name(s):

Contact Name: Karen Jurist
Contact Tel: (415) 972-3219
Contact Title: Site Assessment Manager (SAM)

Contact Name: Jeff Inglis
Contact Tel: (415) 972-3095
Contact Title: Site Assessment Manager (SAM)

Contact Name: Carl Brickner
Contact Tel: (415) 972-3814
Contact Title: Site Assessment Manager (SAM)

1000168465

Contact Name: Dawn Richmond
Contact Tel: (415) 972-3097
Contact Title: Site Assessment Manager (SAM)

Contact Name: Dawn Richmond
Contact Tel: (415) 972-3097
Contact Title: Site Assessment Manager (SAM)

CERCLIS Site Alias Name(s):

Alias Name:	BRASS MFG
Alias Address:	Not reported CA

[illegible]

CERCLIS Assessment History:

Action:	DISCOVERY
Date Started:	Not reported
Date Completed:	02/15/96
Priority Level:	Not reported

Action:	SITE INSPECTION
Date Started:	12/01/98
Date Completed:	09/30/99
Priority Level:	Higher priority for further assessment

Action: PRELIMINARY ASSESSMENT
Date Started: 12/01/98
Date Completed: 09/30/99
Priority Level: Higher priority for further assessment

Action:	SITE REASSESSMENT
Date Started:	Not reported
Date Completed:	05/23/06
Priority Level:	Higher priority for further assessment

RCRA-LQG:

Date form received by agency: 02/16/2006

Facility name: PRICE PFISTER, INC.

Facility address: 13500 PAXTON STREET
PACOIMA, CA 91331

EPA ID: CAD008384190

Mailing address: 19701 DA VINCI
LAKE FOREST, CA 92610

Contact: KENNY HOM

Contact address: Not reported
Not reported

Contact country: Not reported

Contact telephone: (949) 672-4085

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PRICE PFISTER INCORPORATED (Continued)

1000168465

Contact email: KENNY.HOM@BDHHI.COM
EPA Region: 09
Land type: Private
Classification: Large Quantity Generator
Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name: PRICE PFISTER, INC.
Owner/operator address: Not reported
Not reported
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 01/01/1963
Owner/Op end date: Not reported

Owner/operator name: PRIMESTOR PACOIMA LLC
Owner/operator address: 228 S. BEVERLY DRIVE
BEVERLY HILLS, CA 90212
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 06/29/2005
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No
Off-site waste receiver: Commercial status unknown

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PRICE PFISTER INCORPORATED (Continued)

1000168465

Historical Generators:

Date form received by agency: 02/16/2006

Facility name: PRICE PFISTER, INC.

Classification: Large Quantity Generator

Date form received by agency: 02/27/2004

Facility name: PRICE PFISTER, INC.

Classification: Large Quantity Generator

Date form received by agency: 02/27/2002

Facility name: PRICE PFISTER, INC.

Site name: PRICE PFISTER INC.

Classification: Large Quantity Generator

Date form received by agency: 10/12/2000

Facility name: PRICE PFISTER, INC.

Classification: Large Quantity Generator

Date form received by agency: 03/04/1999

Facility name: PRICE PFISTER, INC.

Site name: PRICE PFISTER

Classification: Large Quantity Generator

Date form received by agency: 09/01/1996

Facility name: PRICE PFISTER, INC.

Site name: PRICE PFISTER BRASS MFG CO

Classification: Large Quantity Generator

Date form received by agency: 03/26/1996

Facility name: PRICE PFISTER, INC.

Classification: Large Quantity Generator

Date form received by agency: 03/30/1994

Facility name: PRICE PFISTER, INC.

Site name: PRICE PFISTER INC

Classification: Large Quantity Generator

Date form received by agency: 02/18/1992

Facility name: PRICE PFISTER, INC.

Site name: PRICE PFISTER INC

Classification: Large Quantity Generator

Date form received by agency: 04/02/1990

Facility name: PRICE PFISTER, INC.

Site name: PRICE PFISTER INC

Classification: Large Quantity Generator

Date form received by agency: 08/14/1980

Facility name: PRICE PFISTER, INC.

Site name: PRICE PFISTER BRASS MFG CO

Classification: Large Quantity Generator

Facility Has Received Notices of Violations:

Regulation violated: S - 262.30-34.C

Area of violation: Generators - General

Date violation determined: 10/18/2001

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PRICE PFISTER INCORPORATED (Continued)

1000168465

Date achieved compliance: 03/21/2002
Violation lead agency: EPA
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 09/30/2002
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: 71114
Paid penalty amount: Not reported

Regulation violated: S - 262.30-34.C
Area of violation: Generators - General
Date violation determined: 10/18/2001
Date achieved compliance: 03/21/2002
Violation lead agency: EPA
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 01/07/2002
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: S - 262.30-34.C
Area of violation: Generators - General
Date violation determined: 10/18/2001
Date achieved compliance: 10/19/2001
Violation lead agency: EPA
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 01/07/2002
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: S - 262.30-34.C
Area of violation: Generators - General
Date violation determined: 10/18/2001
Date achieved compliance: 10/19/2001
Violation lead agency: EPA
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 09/30/2002
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: S - 262.30-34.C
Area of violation: Generators - General
Date violation determined: 10/18/2001
Date achieved compliance: 10/19/2001

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PRICE PFISTER INCORPORATED (Continued)

1000168465

Violation lead agency: EPA
Enforcement action: Not reported
Enforcement action date: 01/07/2002
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: S - 262.30-34.C
Area of violation: Generators - General
Date violation determined: 10/18/2001
Date achieved compliance: 03/21/2002
Violation lead agency: EPA
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 09/30/2002
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: S - 262.30-34.C
Area of violation: Generators - General
Date violation determined: 10/18/2001
Date achieved compliance: 10/19/2001
Violation lead agency: EPA
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 09/30/2002
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: 71114
Paid penalty amount: Not reported

Regulation violated: S - 262.30-34.C
Area of violation: Generators - General
Date violation determined: 10/18/2001
Date achieved compliance: 03/21/2002
Violation lead agency: EPA
Enforcement action: Not reported
Enforcement action date: 01/07/2002
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 10/19/2001
Evaluation: NOT A SIGNIFICANT NON-COMPLIER
Area of violation: Not reported
Date achieved compliance: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PRICE PFISTER INCORPORATED (Continued)

1000168465

Evaluation lead agency: EPA

Evaluation date: 10/18/2001
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 03/21/2002
Evaluation lead agency: EPA

Evaluation date: 10/18/2001
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 10/19/2001
Evaluation lead agency: EPA

Evaluation date: 10/18/2001
Evaluation: SIGNIFICANT NON-COMPLIER
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA

Evaluation date: 01/11/1994
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA

FINDS:

Registry ID: 110000476878

Environmental Interest/Information System

The NEI (National Emissions Inventory) database contains information on stationary and mobile sources that emit criteria air pollutants and their precursors, as well as hazardous air pollutants (HAPs).

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

US EPA TRIS (Toxics Release Inventory System) contains information from facilities on the amounts of over 300 listed toxic chemicals that these facilities release directly to air, water, land, or that are transported off-site.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

CERCLIS (Comprehensive Environmental Response, Compensation, and Liability Information System) is the Superfund database that is used to support management in all phases of the Superfund program. The system contains information on all aspects of hazardous waste sites, including an inventory of sites, planned and actual site activities, and financial information.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PRICE PFISTER INCORPORATED (Continued)

1000168465

ICIS (Integrated Compliance Information System) is the Integrated Compliance Information System and provides a database that, when complete, will contain integrated Enforcement and Compliance information across most of EPA's programs. The vision for ICIS is to replace EPA's independent databases that contain Enforcement data with a single repository for that information. Currently, ICIS contains all Federal Administrative and Judicial enforcement actions. This information is maintained in ICIS by EPA in the Regional offices and it Headquarters. A future release of ICIS will replace the Permit Compliance System (PCS) which supports the NPDES and will integrate that information with Federal actions already in the system. ICIS also has the capability to track other activities occurring in the Region that support Compliance and Enforcement programs. These include; Incident Tracking, Compliance Assistance, and Compliance Monitoring.

CA FID UST:

Facility ID: 19001024
Regulated By: UTKNI
Regulated ID: 00007727
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 8188961141
Mail To: Not reported
Mailing Address: 13500 PAXTON ST
Mailing Address 2: Not reported
Mailing City,St,Zip: PACOIMA 913310000
Contact: Not reported
Contact Phone: Not reported
DUNS Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Inactive

HIST UST:

Region: STATE
Facility ID: 00000007727
Facility Type: Other
Other Type: MANUFACTURING
Total Tanks: 0003
Contact Name: Not reported
Telephone: 8188961141
Owner Name: PETER S. GOLD
Owner Address: 13500 PAXTON ST.
Owner City,St,Zip: PACOIMA, CA 91331

Tank Num: 001
Container Num: 3
Year Installed: 1975
Tank Capacity: 00040000
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Tank Construction: Not reported
Leak Detection: 10

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PRICE PFISTER INCORPORATED (Continued)

1000168465

Tank Num: 002
Container Num: 4
Year Installed: 1979
Tank Capacity: 00006000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Tank Construction: Not reported
Leak Detection: None

Tank Num: 003
Container Num: 5
Year Installed: 1979
Tank Capacity: 00006000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Tank Construction: Not reported
Leak Detection: None

SWEEPS UST:

Status: Not reported
Comp Number: 853
Number: Not reported
Board Of Equalization: 44-011439
Ref Date: Not reported
Act Date: Not reported
Created Date: Not reported
Tank Status: Not reported
Owner Tank Id: Not reported
Swrcb Tank Id: 19-050-000853-000001
Actv Date: Not reported
Capacity: 40000
Tank Use: M.V. FUEL
Stg: PRODUCT
Content: DIESEL
Number Of Tanks: 3

Status: Not reported
Comp Number: 853
Number: Not reported
Board Of Equalization: 44-011439
Ref Date: Not reported
Act Date: Not reported
Created Date: Not reported
Tank Status: Not reported
Owner Tank Id: Not reported
Swrcb Tank Id: 19-050-000853-000002
Actv Date: Not reported
Capacity: 6000
Tank Use: M.V. FUEL
Stg: PRODUCT
Content: REG UNLEADED
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 853
Number: Not reported
Board Of Equalization: 44-011439

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PRICE PFISTER INCORPORATED (Continued)

1000168465

Ref Date: Not reported
Act Date: Not reported
Created Date: Not reported
Tank Status: Not reported
Owner Tank Id: Not reported
Swrcb Tank Id: 19-050-000853-000003
Actv Date: Not reported
Capacity: 6000
Tank Use: M.V. FUEL
Stg: PRODUCT
Content: REG UNLEADED
Number Of Tanks: Not reported

ENVIROSTOR:

Site Type: Evaluation
Site Type Detailed: Evaluation
Acres: 0
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: GABRIEL FARKAS
Supervisor: Juli Propes
Division Branch: Cleanup Chatsworth
Facility ID: 19340768
Site Code: Not reported
Assembly: 39
Senate: 20
Special Program: Not reported
Status: Refer: RWQCB
Status Date: 8/10/2000
Restricted Use: NO
Site Mgmt. Req.: NONE SPECIFIED
Funding: EPA Grant
Latitude: 34.273611111111101
Longitude: -118.4266666666667
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CAD008384190
Alias Type: CERCLIS ID
Alias Name: 110000476878
Alias Type: EPA (FRS #)
Alias Name: SL0603719273
Alias Type: GeoTracker Global ID
Alias Name: 19340768
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Discovery
Completed Date: 1996-05-30 00:00:00
Comments: U.S. EPA is conducting a PEA/SI on this site.

Completed Area Name: PROJECT WIDE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PRICE PFISTER INCORPORATED (Continued)

1000168465

Completed Sub Area Name: Not reported
Completed Document Type: Reimbursement Agreement
Completed Date: 2008-07-16 00:00:00
Comments: The Reimbursement Agreement was fully executed on 7/16/2008.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 1999-09-30 00:00:00
Comments: Preliminary Endangerment Assessment/Site Investigation was conducted at a plumbing manufacturing company for the U.S. EPA through the CERCLA grant. Soil and groundwater sampling detected contamination under the site. Further action is required.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 1998-04-21 00:00:00
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 2008-07-17 00:00:00
Comments: DTSC reviewed and commented the HHRA Work Plan and the Site-Wide Soil Gas Survey Report

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Human Health Risk Assessment Report
Completed Date: 2008-09-11 00:00:00
Comments: DTSC provided comments under the terms of the Agreement.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 2008-11-07 00:00:00
Comments: DTSC has not identified any issues that would imply changes in the Report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 2008-11-07 00:00:00
Comments: DTSC approved the Final HHRA Report (with additional info) for Areas 1 to 5 and 8.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 2008-11-10 00:00:00
Comments: DTSC entered into this agreement with Price-pfister.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 2008-11-13 00:00:00

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PRICE PFISTER INCORPORATED (Continued)

1000168465

Comments: DTSC has not identified any issues that would require modifications of the proposed work plan addendum.

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

M46 **PRICE PFISTER, INC.**
ENE **13500 PAXTON STREET**
1/2-1 **PACOIMA, CA 91331**
0.859 mi.
4536 ft. **Site 2 of 2 in cluster M**

NPDES **S109434035**
ENVIROSTOR **N/A**

Relative:
Higher

NPDES:

Npdes Number: Not reported
Facility Status: Active
Agency Id: 168413
Region: 4
Regulatory Measure Id: 266076
Order No: 99-08DWQ
Regulatory Measure Type: Storm water construction
Place Id: 607086
WDID: 4 19C336931
Program Type: CONSTW
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: 10/4/2005
Expiration Date Of Regulatory Measure: Not reported
Termination Date Of Regulatory Measure: Not reported
Discharge Name: Primestor Pacoima LLC
Discharge Address: Not reported
Discharge City: Not reported
Discharge State: Not reported
Discharge Zip: Not reported

Actual:
1042 ft.

ENVIROSTOR:

Site Type: Tiered Permit
Site Type Detailed: Tiered Permit
Acres: Not reported
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: Not reported
Division Branch: Cleanup Cypress
Facility ID: 71002225
Site Code: Not reported
Assembly: 39
Senate: 20
Special Program: Not reported
Status: Not reported
Status Date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PRICE PFISTER, INC. (Continued)

S109434035

Restricted Use: NO
Site Mgmt. Req.: NONE SPECIFIED
Funding: Not reported
Latitude: 34.273325700000001
Longitude: -118.4266184
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CAD008384190
Alias Type: EPA Identification Number
Alias Name: 71002225
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: Not reported
Completed Sub Area Name: Not reported
Completed Document Type: Not reported
Completed Date: Not reported
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

N47
ENE
1/2-1
0.866 mi.
4571 ft.

BURBANK PLATING SERVICE CORP.
13561 DESMOND STREET
PACOIMA, CA 91331

ENVIROSTOR S108484766
N/A

Site 1 of 2 in cluster N

Relative:
Higher

ENVIROSTOR:

Actual:
1053 ft.

Site Type: Tiered Permit
Site Type Detailed: Tiered Permit
Acres: Not reported
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: Not reported
Division Branch: Cleanup Cypress
Facility ID: 71002305
Site Code: Not reported
Assembly: 39
Senate: 20
Special Program: Not reported
Status: Not reported
Status Date: Not reported
Restricted Use: NO
Site Mgmt. Req.: NONE SPECIFIED
Funding: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BURBANK PLATING SERVICE CORP. (Continued)

S108484766

Latitude: 34.262500000000003
Longitude: -118.42610999999999
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CAD009603184
Alias Type: EPA Identification Number
Alias Name: 71002305
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: Not reported
Completed Sub Area Name: Not reported
Completed Document Type: Not reported
Completed Date: Not reported
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

Site Type: Evaluation
Site Type Detailed: Evaluation
Acres: 0.8100000000000005
NPL: NO
Regulatory Agencies: SMBRP, US EPA
Lead Agency: SMBRP
Program Manager: CHAND SULTANA
Supervisor: Rita Kamat
Division Branch: Cleanup Chatsworth
Facility ID: 60000607
Site Code: Not reported
Assembly: 39
Senate: 20
Special Program: EPA - PASI
Status: Inactive - Action Required
Status Date: 6/30/2007
Restricted Use: NO
Site Mgmt. Req.: NONE SPECIFIED
Funding: EPA Grant
Latitude: 34.275561106141303
Longitude: -118.42827801925
APN: Not reported
Past Use: METAL PLATING - CHROME, METAL PLATING - OTHER
Potential COC: 30108, 30153, 30161, 30594
Confirmed COC: Not reported
Potential Description: SOIL
Alias Name: 2523004037
Alias Type: APN
Alias Name: 60000607

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BURBANK PLATING SERVICE CORP. (Continued)

S108484766

Alias Type: Envirostor ID Number
Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 2007-06-21 00:00:00
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

N48
ENE
1/2-1
0.891 mi.
4707 ft.

Relative:
Higher

Actual:
1054 ft.

PACOIMA
13546 DESMOND ST.
PACOIMA, CA 91331

Site 2 of 2 in cluster N

CERCLIS 1000170315
RCRA-LQG CAD028860955
FINDS
HIST Cal-Sites
Cortese
HIST CORTESE
LUST
SLIC
WIP
RESPONSE
HAZNET
EMI
ENVIROSTOR

CERCLIS:
Site ID: 0905314
Federal Facility: Not a Federal Facility
NPL Status: Not on the NPL
Non NPL Status: Other Cleanup Activity: State-Lead Cleanup

CERCLIS Site Contact Name(s):
Contact Name: Karen Jurist
Contact Tel: (415) 972-3219
Contact Title: Site Assessment Manager (SAM)

Contact Name: Jeff Inglis
Contact Tel: (415) 972-3095
Contact Title: Site Assessment Manager (SAM)

Contact Name: Carl Brickner
Contact Tel: (415) 972-3814
Contact Title: Site Assessment Manager (SAM)

Contact Name: Dawn Richmond
Contact Tel: (415) 972-3097
Contact Title: Site Assessment Manager (SAM)

Contact Name: Dawn Richmond
Contact Tel: (415) 972-3097

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PACOIMA (Continued)

1000170315

Contact Title: Site Assessment Manager (SAM)

CERCLIS Site Alias Name(s):

Alias Name: KLEINERT INDUSTRIES
Alias Address: Not reported
CA

Site Description: 4/07 RWQCB Adnan Siddiqui (213) 576-6812 asiddiqui@waterboards.ca.gov

CERCLIS Assessment History:

Action: DISCOVERY
Date Started: Not reported
Date Completed: 02/15/96
Priority Level: Not reported

Action: PRELIMINARY ASSESSMENT
Date Started: Not reported
Date Completed: 04/16/98
Priority Level: Higher priority for further assessment

Action: SITE REASSESSMENT
Date Started: Not reported
Date Completed: 05/23/06
Priority Level: Higher priority for further assessment

Action: OTHER CLEANUP ACTIVITY
Date Started: Not reported
Date Completed: 06/11/10
Priority Level: Low priority for further assessment

Action: SITE REASSESSMENT
Date Started: Not reported
Date Completed: 06/11/10
Priority Level: Not reported

RCRA-LQG:

Date form received by agency: 02/27/2004
Facility name: PACOIMA
Facility address: 13546 DESMOND ST.
PACOIMA, CA 91331
EPA ID: CAD028860955
Mailing address: 10747 PATTERSON PLACE
SANTA FE SPRINGS, CA 90670
Contact: NANCY A GIRTEN
Contact address: Not reported
Not reported
Contact country: Not reported
Contact telephone: (562) 903-9626
Telephone ext.: 307
Contact email: NGIRTEN@BRENNTAG.COM
EPA Region: 09
Classification: Large Quantity Generator
Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous

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waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name: HOLCHEM INC
Owner/operator address: 13546 DESMOND ST
PACOIMA, CA 91331
Owner/operator country: Not reported
Owner/operator telephone: (818) 897-4679
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: BRENNTAG WEST, INC.
Owner/operator address: Not reported
Not reported
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 11/01/2000
Owner/Op end date: Not reported

Owner/operator name: BRENNTAG WEST, INC.
Owner/operator address: 10747 PATTERSON PLACE
PACOIMA, CA 90670
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 11/01/2000
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No

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On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No
Off-site waste receiver:	Commercial status unknown

Historical Generators:

Date form received by agency: 02/27/2004
Facility name: PACOIMA
Classification: Large Quantity Generator

Date form received by agency: 02/01/2002
Facility name: PACOIMA
Classification: Large Quantity Generator

Date form received by agency: 06/10/1993
Facility name: PACOIMA
Site name: HOLCHEM INC
Classification: Small Quantity Generator

Date form received by agency: 02/25/1992
Facility name: PACOIMA
Site name: HOLCHEM/PACOIMA
Classification: Large Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110000476850

Environmental Interest/Information System

California Department of Toxic Substances Control EnviroStor System (DTSC-EnviroStor) is an online search and Geographic Information System (GIS) tool for identifying sites that have known contamination or sites for which there may be reasons to investigate further. The EnviroStor database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites.

NCDB (National Compliance Data Base) supports implementation of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) and the Toxic Substances Control Act (TSCA). The system tracks inspections in regions and states with cooperative agreements, enforcement actions, and settlements.

The NEI (National Emissions Inventory) database contains information on stationary and mobile sources that emit criteria air pollutants and their precursors, as well as hazardous air pollutants (HAPs).

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART)

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provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

US EPA TRIS (Toxics Release Inventory System) contains information from facilities on the amounts of over 300 listed toxic chemicals that these facilities release directly to air, water, land, or that are transported off-site.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

CERCLIS (Comprehensive Environmental Response, Compensation, and Liability Information System) is the Superfund database that is used to support management in all phases of the Superfund program. The system contains information on all aspects of hazardous waste sites, including an inventory of sites, planned and actual site activities, and financial information.

HISTORICAL CAL-SITES:

Facility ID: 19281213
Region: 3
Region Name: GLENDALE
Branch: SA
Branch Name: SO CAL - GLENDALE
File Name: Not reported
State Senate District: 05131997
Status: AWP - ANNUAL WORKPLAN (AWP) - ACTIVE SITE
Status Name: ANNUAL WORKPLAN - ACTIVE SITE
Lead Agency: DTSC
Lead Agency: DEPT OF TOXIC SUBSTANCES CONTROL
Facility Type: RP
Type Name: RESPONSIBLE PARTY
NPL: Not Listed
SIC Code: 28
SIC Name: MANU - CHEMICALS & ALLIED PRODUCTS
Access: Not reported
Cortese: Not reported
Hazardous Ranking Score: Not reported
Date Site Hazard Ranked: Not reported
Groundwater Contamination: Not reported
Staff Member Responsible for Site: GFARKAS
Supervisor Responsible for Site: Not reported
Region Water Control Board: LA
Region Water Control Board Name: LOS ANGELES
Lat/Long Direction: Not reported
Lat/Long (dms): 0 0 0 / 0 0 0
Lat/long Method: Not reported
Lat/Long Description: Not reported
State Assembly District Code: 39
State Senate District Code: 20
Facility ID: 19281213

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PACOIMA (Continued)

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Activity:	ORDER
Activity Name:	I/SE, IORSE, FFA, FFSRA, VCA, EA
AWP Code:	IS/E
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	05081997
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19281213
Activity:	RIFS
Activity Name:	REMEDIAL INVESTIGATION / FEASIBILITY STUDY
AWP Code:	Not reported
Proposed Budget:	0
AWP Completion Date:	12312004
Revised Due Date:	Not reported
Comments Date:	Not reported
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19281213
Activity:	RAP
Activity Name:	REMEDIAL ACTION PLAN / RECORD OF DECISION
AWP Code:	Not reported
Proposed Budget:	0
AWP Completion Date:	06302005
Revised Due Date:	Not reported
Comments Date:	Not reported
Est Person-Yrs to complete:	0
Estimated Size:	Not reported

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Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19281213
Activity:	RA
Activity Name:	REMOVAL ACTION
AWP Code:	Not reported
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	10161997
Est Person-Yrs to complete:	0
Estimated Size:	S
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	X
Removal Action Certification:	N
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19281213
Activity:	ORDER
Activity Name:	I/SE, IORSE, FFA, FFSRA, VCA, EA
AWP Code:	AGRMT
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	04262000
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported

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PACOIMA (Continued)

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Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19281213
Activity:	RAW
Activity Name:	REMOVAL ACTION WORKPLAN
AWP Code:	Not reported
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	01162001
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19281213
Activity:	CEQA
Activity Name:	CEQA INCLUDING NEGATIVE DECS
AWP Code:	Not reported
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	02102000
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19281213
Activity:	CEQA
Activity Name:	CEQA INCLUDING NEGATIVE DECS
AWP Code:	Not reported

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PACOIMA (Continued)

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Proposed Budget: 0
AWP Completion Date: Not reported
Revised Due Date: Not reported
Comments Date: 01162001
Est Person-Yrs to complete: 0
Estimated Size: Not reported
Request to Delete Activity: Not reported
Activity Status: AWP
Definition of Status: ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals): 0
Liquids Treated (Gals): 0
Action Included Capping: Not reported
Well Decommissioned: Not reported
Action Included Fencing: Not reported
Removal Action Certification: Not reported
Activity Comments: Not reported
For Commercial Reuse: 0
For Industrial Reuse: 0
For Residential Reuse: 0
Unknown Type: 0
Alternate Address: 13546 DESMOND STREET
Alternate City,St,Zip: PACOIMA, CA 91331
Background Info: Prior to July 1, 1987 the Site was operated by Chase Chemical under the ownership of Herman Benjamin. As of that date the Site was operated by Holchem, Inc under a lease from Herman Benjamin. The Site operates as a chemical distributor. The facility property occupies about 2 acres in an industrial/residential area. There are 2 buildings, one for offices and packaging and the other for warehousing hazardous substances. The facility uses 23 AGSTs, 19 UGSTs, 1 clarifier for a drum rinse area, 2 sumps for rainwater runoff, and a 55 gal drum storage area able to contain 300 drums. The property is completely paved and fenced.
Not reported
The site was originally overseen by the RWQCB. Semi-annual GW monitoring had been conducted since Sept 92. RWQCB had no funds to work on the site, it was then referred to DTSC under the USEPA PA/SI program. DTSC then determined that an I&SE Order be issued to expedite the evaluation, containment and cleanup of the site. The site is of special concern because a few miles downgradient exist 2 of LADWP's main drinking water wellfields.
Comments Date: 01032002
Comments: Off-site drilling (3 wells) was completed. The three wells
Comments Date: 01032002
Comments: were installed and sampled.
Comments Date: 01072002
Comments: RI field work has been completed.
Comments Date: 01151997
Comments: DTSC determined that an IS&E Consent Order be drafted. If the RPs
Comments Date: 01151997
Comments: decide not to sign it, then a unilateral Order will be issued.
Comments Date: 01162001
Comments: CEQA Negative Declaration for RAW was approved.
Comments Date: 01162001
Comments: Not reported
Comments Date: 01162001
Comments: RAW was approved.

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PACOIMA (Continued)

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Comments Date: 01302003
Comments: Brenntag submitted a Draft Risk Assessment Plan.
Comments Date: 02032005
Comments: Aquifer Testing and Data Analysis Work Plan was submitted to
Comments Date: 02032005
Comments: DTSC.
Comments Date: 02052004
Comments: Fourth Quarter Groundwater Monitoring Report was submitted
Comments Date: 02052004
Comments: to DTSC.
Comments Date: 02142005
Comments: Fourth Quarter 2004 Groundwater Monitoring and SVE System Update
Comments Date: 02142005
Comments: Report was submitted.
Comments Date: 02182000
Comments: Notice of Exemption for Remedial Action Work (RAW) Soil Vapor
Comments Date: 02182000
Comments: Extraction (SVE) and Biosparge Pilot Test was approved.
Comments Date: 02182005
Comments: Draft Off-Site Soil-Gas Workplan was submitted.
Comments Date: 02192005
Comments: Off-Site Soil Gas Workplan was approved.
Comments Date: 02282005
Comments: Draft CEQA Initial Study was submitted. Revised Risk
Comments Date: 02282005
Comments: Assessment was submitted.
Comments Date: 03052002
Comments: Brenntag submitted a request for Partial Site Closure for
Comments Date: 03052002
Comments: property divestment purposes.
Comments Date: 03062003
Comments: DTSC provided comments on the Additional Off-site Groundwater
Comments Date: 03062003
Comments: Investigation Plan.
Comments Date: 03101999
Comments: Attorney General is negotiating a Consent Decree with Holchem.
Comments Date: 03101999
Comments: Not reported
Comments Date: 03171998
Comments: Settlement meeting with Holchem, Inc.
Comments Date: 03171998
Comments: Not reported
Comments Date: 03192002
Comments: Brenntag submitted the Fourth Quarter 2001 Groundwater
Comments Date: 03192002
Comments: Monitoring Report.
Comments Date: 03202003
Comments: Brenntag submitted an Additional off-site Groundwater
Comments Date: 03202003
Comments: Investigation Plan to DTSC.
Comments Date: 03242000
Comments: Pilot Study was completed
Comments Date: 03302004
Comments: Letter with administrative changes from Brenntag.
Comments Date: 04022003
Comments: DTSC provided comments on the Additional Off-site Groundwater
Comments Date: 04022003

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PACOIMA (Continued)

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Comments: Investigation Plan.
Comments Date: 04031997
Comments: A draft Consent Order was sent to the RPs. A deadline date for
Comments Date: 04031997
Comments: an agreement was 4/17/97.
Comments Date: 04072004
Comments: DTSC approves the RI Report.
Comments Date: 04102003
Comments: DTSC provided comments on the RI Report.
Comments Date: 04171997
Comments: A unilateral I&SE Order was issued to Holchem.
Comments Date: 04251996
Comments: DTSC under contract with USEPA is conducting a PA on the
Comments Date: 04251996
Comments: site. This Site was under RWQCB, now it is USEPA-lead. LADWP is
Comments Date: 04251996
Comments: also lending support. A meeting at RWQCB last month was held to
Comments Date: 04251996
Comments: introduce current site information and other agency contacts.
Comments Date: 05022002
Comments: First Quarter 2002 Groundwater Monitoring Report was submitted
Comments Date: 05022002
Comments: to DTSC.
Comments Date: 05042004
Comments: First Quarter Groundwater Monitoring Report was submitted to
Comments Date: 05042004
Comments: DTSC.
Comments Date: 05062004
Comments: Revised Draft Risk Assessment was submitted to DTSC.
Comments Date: 05081997
Comments: A unilateral I&SE Order was issued to Herman Benjamin per his
Comments Date: 05081997
Comments: request.
Comments Date: 05082001
Comments: RI/FS Workplan was approved.
Comments Date: 05092003
Comments: First Quarter Groundwater Monitoring Report was submitted to
Comments Date: 05092003
Comments: DTSC.
Comments Date: 05112004
Comments: Updated Pacoima Schedule was submitted.
Comments Date: 05211997
Comments: letter sent to Holchem. Holchem has not notified DTSC as to
Comments Date: 05211997
Comments: who their Project Coordinator is. Holchem filed a petition
Comments Date: 05211997
Comments: for Writ of Mandate, Preliminary, and Permanent Injunctions,
Comments Date: 05211997
Comments: with the Los Angeles Superior Court.
Comments Date: 05211997
Comments: Notice of Proposed Determination of Non-Compliance with Order
Comments Date: 06022004
Comments: DTSC comments on the Draft Risk Assessment.
Comments Date: 06042002
Comments: DTSC's comments were sent to consultant.
Comments Date: 06102003
Comments: Brenntag submitted the 2003 Groundwater Monitoring Plan.

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PACOIMA (Continued)

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Comments Date: 06201997
Comments: Benjamin submits Draft RI/FS Workplan.
Comments Date: 06211999
Comments: Attorney General and DTSC staff participated at a settlement
Comments Date: 06211999
Comments: hearing at L.A. County Court.
Comments Date: 06211999
Comments: Not reported
Comments Date: 06211999
Comments: Not reported
Comments Date: 06241997
Comments: Notice of Additional Opportunity to present defenses to I&SE
Comments Date: 06241997
Comments: Order letter sent to Holchem. Holchem may submit defense by
Comments Date: 06241997
Comments: July 25th, then DTSC will make a determination by August 25th.
Comments Date: 06241997
Comments: Not reported
Comments Date: 06262000
Comments: Draft RI/FS Workplan was submitted.
Comments Date: 06302001
Comments: Holchem facility was closed.
Comments Date: 07071998
Comments: The Preliminary Assessment for the Holchem Inc. site has been
Comments Date: 07071998
Comments: approved by USEPA. The site scored greater than 28.5 for
Comments Date: 07071998
Comments: Hazard Ranking purposes.
Comments Date: 07232004
Comments: DTSC comments on the First Quarter 2004 Groundwater Monitoring
Comments Date: 07232004
Comments: Report and SVE Treatment System Update.
Comments Date: 07312001
Comments: Holchem site was sold to Brenntag West. Inc.
Comments Date: 08112003
Comments: Second Quarter Groundwater Monitoring Report was submitted to
Comments Date: 08112003
Comments: DTSC.
Comments Date: 08122003
Comments: DTSC provided additional comments to the draft RI Report.
Comments Date: 08152001
Comments: RI/FS fieldwork started.
Comments Date: 08202004
Comments: DTSC comments on the Second Quarter Groundwater Monitoring
Comments Date: 08202004
Comments: Report and SVE Treatment System Update.
Comments Date: 08211998
Comments: A Preliminary Notice of Non-Compliance letter was issued to
Comments Date: 08211998
Comments: Mr. Benjamin for not submitted an adequate RI/FS Workplan.
Comments Date: 08211998
Comments: Not reported
Comments Date: 08251999
Comments: Mr. Benjamin & Company have agreed to join the settlement
Comments Date: 08251999
Comments: Holchem agreed to do a RAW (SVE).
Comments Date: 08252004

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PACOIMA (Continued)

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Comments: DTSC comments on the Draft Risk Assessment.
Comments Date: 08281997
Comments: Scoping meeting with Herman Benjamin to discuss the Public
Comments Date: 08281997
Comments: Participation Plan.
Comments Date: 08291997
Comments: RI/FS Workplan returned to Benjamin with DTSC comments.
Comments Date: 08291997
Comments: Not reported
Comments Date: 08311999
Comments: Draft Remedial Action Workplan was submitted.
Comments Date: 08311999
Comments: Not reported
Comments Date: 08312004
Comments: DTSC giants conditional approval of the draft Risk Assessment.
Comments Date: 09031997
Comments: Settlement meeting with Holchem Inc. more discussions needed.
Comments Date: 09031997
Comments: Not reported
Comments Date: 10011998
Comments: Met with Benjamin, he has a new Consultant Environmental
Comments Date: 10011998
Comments: Strategies Corp. that is replacing California Environmental.
Comments Date: 10011998
Comments: Mr. Angelo Bellomo is the new Project Coordinator.
Comments Date: 10011998
Comments: Not reported
Comments Date: 10161997
Comments: Fence and post site.
Comments Date: 10232000
Comments: Fact Sheet #1 was approved.
Comments Date: 10261998
Comments: Settlement meeting with Holchem. UST Removal/Replacement
Comments Date: 10261998
Comments: Workplan submitted. Los Angeles City Fire Department will
Comments Date: 10261998
Comments: be the Lead Agency for the UST removal operations.
Comments Date: 10282004
Comments: Draft Feasibility Study was submitted.
Comments Date: 11102004
Comments: Third Quarter 2004 Monitoring Report was submitted.
Comments Date: 11112003
Comments: Third Quarter Groundwater Monitoring Report was submitted to
Comments Date: 11112003
Comments: DTSC.
Comments Date: 11121998
Comments: UST Workplan comments sent to all parties involved.
Comments Date: 11121998
Comments: Not reported
Comments Date: 11132003
Comments: Additional DTSC comments to RI Report.
Comments Date: 11162004
Comments: DTSC comments on draft Feasibility Study.
Comments Date: 11181997
Comments: Settlement meeting with Holchem and Benjamin.
Comments Date: 11181997
Comments: Not reported

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PACOIMA (Continued)

1000170315

Comments Date: 11191999
Comments: Consent Decree was signed BY DTSC.
Comments Date: 11192004
Comments: DTSC comments on draft Feasibility Study.
Comments Date: 11241999
Comments: Consent Judgement was filed.
Comments Date: 11241999
Comments: Not reported
Comments Date: 12011996
Comments: USEPA and DTSC has determined that the site should no longer be
Comments Date: 12011996
Comments: in the PA/SI Program and that it should be a DTSC-Lead site.
Comments Date: 12011996
Comments: DTSC is pursuing the RP's to join the Voluntary Cleanup Program.
Comments Date: 12021998
Comments: Excavation of new UST location in process.
Comments Date: 12021998
Comments: Not reported
Comments Date: 12022004
Comments: DTSC approved the Feasibility Study.
Comments Date: 12032001
Comments: Offsite drilling (3 wells) started.
Comments Date: 12042003
Comments: DTSC provided comments on the Third Quarter Groundwater
Comments Date: 12042003
Comments: Monitoring Report.
Comments Date: 12102004
Comments: The Final Feasibility was submitted.
Comments Date: 12111998
Comments: Soils tested positive for PCE contamination in new UST excava-
Comments Date: 12111998
Comments: tion.
Comments Date: 12122003
Comments: Brenntag responded to DTSC comment dated 11/13/2003.
Comments Date: 12141998
Comments: A previously unknown gasoline UST was removed. Soils tested
Comments Date: 12141998
Comments: negative for contaminants.
Comments Date: 12171999
Comments: Consent Decree was sent for 30-day public comment.
Comments Date: 12281998
Comments: Excavation of 19 USTs starts.
Comments Date: 12291999
Comments: Draft NOE for the RAW Pilot Test was sent to OPEA Sacramento.
Comments Date: 12311998
Comments: 19 UST's removed.
Comments Date: 12311998
Comments: Not reported
Comments Date: 12312003
Comments: DTSC reviewed Brenntag responses.
ID Name: EPA IDENTIFICATION NUMBER
ID Value: CAD028860955
ID Name: CALSTARS CODE
ID Value: 300593
Alternate Name: HOLCHEM, INC.CHASE CHEMICAL CO
Special Programs Code: Not reported
Special Programs Name: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PACOIMA (Continued)

1000170315

Cortese:

Region: CORTESE
Envirostor Id: 19281213
Site/Facility Type: STATE RESPONSE
Cleanup Status: ACTIVE
Status Date: 5/13/1997
Site Code: 300593
Latitude: 34.274961905767903
Longitude: -118.427170770007

CORTESE:

Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: 913310525

LUST REG 4:

Region: 4
Regional Board: 04
County: Los Angeles
facid: 913310525
Status: Preliminary site assessment underway
Substance: Solvents
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Groundwater
Abatement Method Used at the Site: Remove Free Product
Global ID: T0603702196
W Global ID: Not reported
Staff: TOX
Local Agency: 19050
Cross Street: Not reported
Enforcement Type: Not reported
Date Leak Discovered: Not reported
Date Leak First Reported: 11/18/1983
Date Leak Record Entered: 12/31/1986
Date Confirmation Began: Not reported
Date Leak Stopped: 10/15/1984
Date Case Last Changed on Database: 7/21/1999
Date the Case was Closed: Not reported
How Leak Discovered: Not reported
How Leak Stopped: Not reported
Cause of Leak: UNK
Leak Source: UNK
Operator: BENJAMIN, HERMANN
Water System: Not reported
Well Name: Not reported
Approx. Dist To Production Well (ft): 9019.738536311134692273095007
Source of Cleanup Funding: UNK
Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: 1/4/1990
Pollution Characterization Began: Not reported
Remediation Plan Submitted: Not reported
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: Not reported
Enforcement Action Date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PACOIMA (Continued)

1000170315

Historical Max MTBE Date:	Not reported
Hist Max MTBE Conc in Groundwater:	Not reported
Hist Max MTBE Conc in Soil:	Not reported
Significant Interim Remedial Action Taken:	Yes
GW Qualifier:	Not reported
Soil Qualifier:	Not reported
Organization:	Not reported
Owner Contact:	Not reported
Responsible Party:	CHASE CHEMICAL CO.
RP Address:	13546 DESMOND ST, PACOIMA, CA 91331
Program:	SLIC
Lat/Long:	34.2758659 / -1
Local Agency Staff:	PEJ
Beneficial Use:	Not reported
Priority:	Not reported
Cleanup Fund Id:	Not reported
Suspended:	Not reported
Assigned Name:	Not reported
Summary:	CASE INITIATED BY RWQCB IN 1983. HYDROCARBONS WERE FOUND IN SOIL. SOURCE WAS NOT IDENTIFIABLE AS SUBSTANCE STORED ONSITED NAPLS PRESENT IN ONE WELL. 01/08/99 4TH QTR MON RPT 1998

SLIC:

Region:	STATE
Facility Status:	Open - Site Assessment
Status Date:	1990-01-04 00:00:00
Global Id:	T0603702196
Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number:	Not reported
Latitude:	34.2758659
Longitude:	-118.4267069
Case Type:	Cleanup Program Site
Case Worker:	DDD
Local Agency:	LOS ANGELES, CITY OF
RB Case Number:	913310525
File Location:	Not reported
Potential Media Affected:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	* Solvents
Site History:	Not reported

[Click here to access the California GeoTracker records for this facility:](#)

WIP:

Region:	4
File Number:	111.0286
File Status:	Active
Staff:	MZAIDI
Facility Suite:	Not reported

AWP:

AWP Facility ID:	19281213
Region Code:	3
Region:	GLENDALE
SMBR Branch Code:	SA
SMBR Branch Unit:	SO CAL - GLENDALE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PACOIMA (Continued)

1000170315

Site Name.: Not reported
Current Status Date: 05131997
Current Status: ANNUAL WORKPLAN - ACTIVE SITE
Lead Agency Code: DTSC
Lead Agency: DEPT OF TOXIC SUBSTANCES CONTROL
Facility Type: responsible party
Awp Site Type: RESPONSIBLE PARTY
NPL: Not Listed
Tier Of AWP Site: Not reported
Source Of Funding: Not reported
Responsible Staff Member: GFARKAS
Supervisor Responsible: Not reported
SIC Code: 28
Facility SIC: MANU - CHEMICALS & ALLIED PRODUCTS
RWQCB Code: LA
RWQCB Associated With Site: LOS ANGELES
Site Access Controlled: Not reported
Site Listed HWS List: Not reported
Hazard Ranking Score: Not reported
Date Site Hazard Ranked: Not reported
Groundwater Contamination: Not reported
Of Contamination Sources: 0
Lat/Long: Not reported
Lat/Long (dms): 0 0 0 / 0 0 0
Lat/long Method: Not reported
Description Of Entity: Not reported
State Assembly Distt Code: 39
State Senate District: 20

RESPONSE:

Facility ID: 19281213
Site Type: State Response
Site Type Detail: State Response or NPL
Acres: 2
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Mitigation And Brownfield Reuse Program
Project Manager: GABRIEL FARKAS
Supervisor: Juli Propes
Division Branch: Cleanup Chatsworth
Site Code: 300593
Site Mgmt. Req.: NONE SPECIFIED
Assembly: 39
Senate: 20
Special Program Status: Not reported
Status: Active
Status Date: 5/13/1997
Restricted Use: NO
Funding: Responsible Party
Latitude: 34.274961905767903
Longitude: -118.427170770007
APN: 2523-005-006
Past Use: TRANSFER STATION
Potential COC: 10003, 10009, 10067, 10193, 30016, 30026, 30027, 30028, 30246
Confirmed COC: Not reported
Potential Description: OTH, SOIL

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PACOIMA (Continued)

1000170315

Alias Name: CHASE CHEMICAL CO
Alias Type: Alternate Name
Alias Name: 2523-005-006
Alias Type: APN
Alias Name: CAD028860955
Alias Type: EPA Identification Number
Alias Name: 110000476850
Alias Type: EPA (FRS #)
Alias Name: 300593
Alias Type: Project Code (Site Code)
Alias Name: 19281213
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 2009-12-22 00:00:00
Comments: DTSC needed more information.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence - Received
Completed Date: 2010-02-11 00:00:00
Comments: DTSC needed more info.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 2010-02-16 00:00:00
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 2010-02-24 00:00:00
Comments: DTSC accepted the changes that have been made.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 2010-02-11 00:00:00
Comments: DTSC has not identified any issues that would require modifications of the document.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 2010-07-21 00:00:00
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 2010-08-03 00:00:00
Comments: DTSC needed more information.

Completed Area Name: PROJECT WIDE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PACOIMA (Continued)

1000170315

Completed Sub Area Name: Not reported
Completed Document Type: Well Completion Report
Completed Date: 2009-01-09 00:00:00
Comments: This technical memorandum presents a summary of site hydrogeology, gw gradient, aquifer test and well construction.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 2008-07-30 00:00:00
Comments: The purpose of investigation was to evaluate the lateral and vertical extent of downgradient gw impacts southeast of the Verdugo fault.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Well Decommissioning Report
Completed Date: 2009-03-13 00:00:00
Comments: DTSC has determined that the report contains all elements.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Well Completion Report
Completed Date: 2009-01-09 00:00:00
Comments: DTSC has not identified any issues that would require modifications.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 2007-05-10 00:00:00
Comments: DTSC agreed with the proposed modification.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Initial Study/ Neg. Declaration
Completed Date: 2001-01-16 00:00:00
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Initial Study/ Neg. Declaration
Completed Date: 2000-02-10 00:00:00
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Cost Recovery Settlements/Decrees
Completed Date: 2000-04-26 00:00:00
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Unilateral Order (I/SE, RAO, CAO, EPA AO)
Completed Date: 1997-05-08 00:00:00
Comments: letter sent to Holchem. Holchem has not notified DTSC as to who their Project Coordinator is. Holchem filed a petition for Writ of Mandate, Preliminary, and Permanent Injunctions, with the Los Angeles Superior Court. Notice of Proposed Determination of Non-Compliance with Order

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PACOIMA (Continued)

1000170315

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Cost Recovery Settlements/Decrees
Completed Date: 2007-07-23 00:00:00
Comments: Consent Decree II implements the RAP (Pump-and-Treat for groundwater).
Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 2001-01-16 00:00:00
Comments: CEQA Negative Declaration for RAW was approved. RAW was approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Report
Completed Date: 1998-04-16 00:00:00
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 1997-10-16 00:00:00
Comments: Fence and post site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Plan
Completed Date: 2005-12-16 00:00:00
Comments: DTSC approved the Final RAP for the Site, which consists of soil vapor extraction; groundwater pumping and treatment for source removal and containment; monitored natural attenuation of the contaminants and institutional controls through deed restrictions.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation / Feasibility Study
Completed Date: 2005-02-05 00:00:00
Comments: The RI/FS was completed and the letter of completion was issued.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Design/Implementation Workplan
Completed Date: 2008-01-24 00:00:00
Comments: DTSC approved the RD Work Plan which later will be ammended.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Design - Preliminary/Intermediate
Completed Date: 2006-05-30 00:00:00
Comments: approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 2005-04-01 00:00:00
Comments: English version of RAP Fact sheet

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PACOIMA (Continued)

1000170315

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Notice
Completed Date: 2005-04-01 00:00:00
Comments: Public Notice

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 2005-10-07 00:00:00
Comments: Offsite soil gas investigation in the residential area downgradient of site (above gw plume).

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Treatability Study Workplan
Completed Date: 2005-06-17 00:00:00
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 2004-07-23 00:00:00
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 2006-10-10 00:00:00
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 2006-06-04 00:00:00
Comments: This is not a letter for finalizing the report. The submitted report is final and the letter contains recommendations for the next sampling event.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 2005-12-02 00:00:00
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 2005-09-02 00:00:00
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 2005-06-20 00:00:00
Comments: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PACOIMA (Continued)

1000170315

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 2005-03-02 00:00:00
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 2004-12-20 00:00:00
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 2004-08-20 00:00:00
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 2006-10-30 00:00:00
Comments: We did not have comments so no letter was issued.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 2007-01-19 00:00:00
Comments: This is not a letter for finalizing the report. The submitted report is final and the letter contains recommendations for the next sampling event

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 2007-06-01 00:00:00
Comments: reviewed and approved the report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 2007-08-29 00:00:00
Comments: The monitoring report is adequate as prepared. DTSc comments may be addressed in future monitoring reports.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Design - Preliminary/Intermediate
Completed Date: 2007-11-07 00:00:00
Comments: The SAP was prepared to address off-site contamination by sampling soil and groundwater for use in remedial system design and implementation.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Treatability Study Workplan
Completed Date: 2007-10-10 00:00:00

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PACOIMA (Continued)

1000170315

Comments: The report was prepared to determine the capture zone.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 2007-10-10 00:00:00
Comments: The report provides additional groundwater information to be used in the Remedial Design

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 2007-11-16 00:00:00
Comments: The monitoring report is adequate as prepared. The remaining comments may be addressed in future monitoring reports.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 2008-05-14 00:00:00
Comments: DTSC has not identified any issues that would require modifications in the report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 2008-02-25 00:00:00
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 2008-05-14 00:00:00
Comments: DTSC has not identified any issues that would require modifications of the report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 2008-04-11 00:00:00
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 2008-05-16 00:00:00
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Report
Completed Date: 2009-08-31 00:00:00
Comments: Due the changing conditions, other measures will be implemented.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Treatability Study Report

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PACOIMA (Continued)

1000170315

Completed Date: 2008-10-01 00:00:00
Comments: DTSC has not identified any issues that would require modifications of the report/memorandum.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 2008-09-11 00:00:00
Comments: DTSC has not identified any issues that would require modifications of the report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 2008-11-21 00:00:00
Comments: DTSC has not identified any issues that would require modifications of the report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 2009-01-09 00:00:00
Comments: DTSC has not identified any issues that would require modifications of the Addendum.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 2009-04-28 00:00:00
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 2009-11-02 00:00:00
Comments: DTSC performed a simultaneous, comparative review for Q1 and Q2 reports.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 2009-07-17 00:00:00
Comments: DTSC approved in advance the abandonment and reinstallation of these wells.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 2009-10-30 00:00:00
Comments: DTSC needed more information, and provide one memo containing comments on both Q1 and Q2 reports.

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PACOIMA (Continued)

1000170315

Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

HAZNET:

Gepaid: CAD028860955
Contact: RALPH J. ZIMBARDO/PRESIDENT
Telephone: 9147036582
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 120 WHITE PLAINS ROAD
Mailing City,St,Zip: TARRYTOWN, NY 105910000
Gen County: Los Angeles
TSD EPA ID: CAT080013352
TSD County: Los Angeles
Waste Category: Unspecified aqueous solution
Disposal Method: Not reported
Tons: 2.91
Facility County: Not reported

Gepaid: CAD028860955
Contact: HOLCHEM, INC.
Telephone: 0000000000
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 13546 DESMOND ST
Mailing City,St,Zip: PACOIMA, CA 913312315
Gen County: Los Angeles
TSD EPA ID: CAD008364432
TSD County: Los Angeles
Waste Category: Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.)
Disposal Method: Recycler
Tons: .2085
Facility County: Los Angeles

Gepaid: CAD028860955
Contact: HOLCHEM, INC.
Telephone: 0000000000
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 13546 DESMOND ST
Mailing City,St,Zip: PACOIMA, CA 913312315
Gen County: Los Angeles
TSD EPA ID: CAD008364432
TSD County: Los Angeles
Waste Category: Waste oil and mixed oil
Disposal Method: Not reported
Tons: .0834
Facility County: Los Angeles

Gepaid: CAD028860955
Contact: HOLCHEM, INC.
Telephone: 0000000000
Facility Addr2: Not reported
Mailing Name: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PACOIMA (Continued)

1000170315

Mailing Address: 13546 DESMOND ST
Mailing City,St,Zip: PACOIMA, CA 913312315
Gen County: Los Angeles
TSD EPA ID: CAD982484933
TSD County: 7
Waste Category: Other empty containers 30 gallons or more
Disposal Method: Not reported
Tons: 7.0000
Facility County: Los Angeles

Gepaid: CAD028860955
Contact: HOLCHEM, INC.
Telephone: 0000000000
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 13546 DESMOND ST
Mailing City,St,Zip: PACOIMA, CA 913312315
Gen County: Los Angeles
TSD EPA ID: CAD008364432
TSD County: Los Angeles
Waste Category: Aqueous solution with 10% or more total organic residues
Disposal Method: Recycler
Tons: .6046
Facility County: Los Angeles

[Click this hyperlink](#) while viewing on your computer to access
72 additional CA_HAZNET: record(s) in the EDR Site Report.

EMI:

Year: 1987
County Code: 19
Air Basin: SC
Facility ID: 10724
Air District Name: SC
SIC Code: 2842
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 1
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers & Smllr Tons/Yr: 0

ENVIROSTOR:

Site Type: State Response
Site Type Detailed: State Response or NPL
Acres: 2
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: GABRIEL FARKAS
Supervisor: Juli Propes
Division Branch: Cleanup Chatsworth

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PACOIMA (Continued)

1000170315

Facility ID: 19281213
Site Code: 300593
Assembly: 39
Senate: 20
Special Program: Not reported
Status: Active
Status Date: 5/13/1997
Restricted Use: NO
Site Mgmt. Req.: NONE SPECIFIED
Funding: Responsible Party
Latitude: 34.274961905767903
Longitude: -118.427170770007
APN: 2523-005-006
Past Use: TRANSFER STATION
Potential COC: 10003, 10009, 10067, 10193, 30016, 30026, 30027, 30028, 30246
Confirmed COC: Not reported
Potential Description: OTH, SOIL
Alias Name: CHASE CHEMICAL CO
Alias Type: Alternate Name
Alias Name: 2523-005-006
Alias Type: APN
Alias Name: CAD028860955
Alias Type: EPA Identification Number
Alias Name: 110000476850
Alias Type: EPA (FRS #)
Alias Name: 300593
Alias Type: Project Code (Site Code)
Alias Name: 19281213
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 2009-12-22 00:00:00
Comments: DTSC needed more information.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence - Received
Completed Date: 2010-02-11 00:00:00
Comments: DTSC needed more info.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 2010-02-16 00:00:00
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 2010-02-24 00:00:00
Comments: DTSC accepted the changes that have been made.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PACOIMA (Continued)

1000170315

Completed Date: 2010-02-11 00:00:00
Comments: DTSC has not identified any issues that would require modifications of the document.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 2010-07-21 00:00:00
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 2010-08-03 00:00:00
Comments: DTSC needed more information.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Well Completion Report
Completed Date: 2009-01-09 00:00:00
Comments: This technical memorandum presents a summary of site hydrogeology, gw gradient, aquifer test and well construction.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 2008-07-30 00:00:00
Comments: The purpose of investigation was to evaluate the lateral and vertical extent of downgradient gw impacts southeast of the Verdugo fault.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Well Decommissioning Report
Completed Date: 2009-03-13 00:00:00
Comments: DTSC has determined that the report contains all elements.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Well Completion Report
Completed Date: 2009-01-09 00:00:00
Comments: DTSC has not identified any issues that would require modifications.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 2007-05-10 00:00:00
Comments: DTSC agreed with the proposed modification.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Initial Study/ Neg. Declaration
Completed Date: 2001-01-16 00:00:00
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Initial Study/ Neg. Declaration

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PACOIMA (Continued)

1000170315

Completed Date: 2000-02-10 00:00:00
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Cost Recovery Settlements/Decrees
Completed Date: 2000-04-26 00:00:00
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Unilateral Order (I/SE, RAO, CAO, EPA AO)
Completed Date: 1997-05-08 00:00:00
Comments: letter sent to Holchem. Holchem has not notified DTSC as to who their Project Coordinator is. Holchem filed a petition for Writ of Mandate, Preliminary, and Permanent Injunctions, with the Los Angeles Superior Court. Notice of Proposed Determination of Non-Compliance with Order

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Cost Recovery Settlements/Decrees
Completed Date: 2007-07-23 00:00:00
Comments: Consent Decree II implements the RAP (Pump-and-Treat for groundwater).
Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 2001-01-16 00:00:00
Comments: CEQA Negative Declaration for RAW was approved. RAW was approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Report
Completed Date: 1998-04-16 00:00:00
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 1997-10-16 00:00:00
Comments: Fence and post site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Plan
Completed Date: 2005-12-16 00:00:00
Comments: DTSC approved the Final RAP for the Site, which consists of soil vapor extraction; groundwater pumping and treatment for source removal and containment; monitored natural attenuation of the contaminants and institutional controls through deed restrictions.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation / Feasibility Study
Completed Date: 2005-02-05 00:00:00
Comments: The RI/FS was completed and the letter of completion was issued.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PACOIMA (Continued)

1000170315

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Design/Implementation Workplan
Completed Date: 2008-01-24 00:00:00
Comments: DTSC approved the RD Work Plan which later will be ammended.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Design - Preliminary/Intermediate
Completed Date: 2006-05-30 00:00:00
Comments: approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 2005-04-01 00:00:00
Comments: English version of RAP Fact sheet

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Notice
Completed Date: 2005-04-01 00:00:00
Comments: Public Notice

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 2005-10-07 00:00:00
Comments: Offsite soil gas investigation in the residential area downgradient of site (above gw plume).

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Treatability Study Workplan
Completed Date: 2005-06-17 00:00:00
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 2004-07-23 00:00:00
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 2006-10-10 00:00:00
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 2006-06-04 00:00:00
Comments: This is not a letter for finalizing the report. The submitted report is final and the letter contains recommendations for the next sampling event.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PACOIMA (Continued)

1000170315

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 2005-12-02 00:00:00
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 2005-09-02 00:00:00
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 2005-06-20 00:00:00
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 2005-03-02 00:00:00
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 2004-12-20 00:00:00
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 2004-08-20 00:00:00
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 2006-10-30 00:00:00
Comments: We did not have comments so no letter was issued.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 2007-01-19 00:00:00
Comments: This is not a letter for finalizing the report. The submitted report is final and the letter contains recommendations for the next sampling event

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 2007-06-01 00:00:00
Comments: reviewed and approved the report.

Completed Area Name: PROJECT WIDE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PACOIMA (Continued)

1000170315

Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 2007-08-29 00:00:00
Comments: The monitoring report is adequate as prepared. DTSC comments may be addressed in future monitoring reports.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Design - Preliminary/Intermediate
Completed Date: 2007-11-07 00:00:00
Comments: The SAP was prepared to address off-site contamination by sampling soil and groundwater for use in remedial system design and implementation.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Treatability Study Workplan
Completed Date: 2007-10-10 00:00:00
Comments: The report was prepared to determine the capture zone.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 2007-10-10 00:00:00
Comments: The report provides additional groundwater information to be used in the Remedial Design

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 2007-11-16 00:00:00
Comments: The monitoring report is adequate as prepared. The remaining comments may be addressed in future monitoring reports.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 2008-05-14 00:00:00
Comments: DTSC has not identified any issues that would require modifications in the report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 2008-02-25 00:00:00
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 2008-05-14 00:00:00
Comments: DTSC has not identified any issues that would require modifications of the report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PACOIMA (Continued)

1000170315

Completed Date: 2008-04-11 00:00:00
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 2008-05-16 00:00:00
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Report
Completed Date: 2009-08-31 00:00:00
Comments: Due the changing conditions, other measures will be implemented.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Treatability Study Report
Completed Date: 2008-10-01 00:00:00
Comments: DTSC has not identified any issues that would require modifications of the report/memorandum.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 2008-09-11 00:00:00
Comments: DTSC has not identified any issues that would require modifications of the report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 2008-11-21 00:00:00
Comments: DTSC has not identified any issues that would require modifications of the report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 2009-01-09 00:00:00
Comments: DTSC has not identified any issues that would require modifications of the Addendum.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 2009-04-28 00:00:00
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 2009-11-02 00:00:00
Comments: DTSC performed a simultaneous, comparative review for Q1 and Q2 reports.

Completed Area Name: PROJECT WIDE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PACOIMA (Continued)

1000170315

Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 2009-07-17 00:00:00
Comments: DTSC approved in advance the abandonment and reinstallation of these wells.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 2009-10-30 00:00:00
Comments: DTSC needed more information, and provide one memo containing comments on both Q1 and Q2 reports.

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

Site Type: Tiered Permit
Site Type Detailed: Tiered Permit
Acres: Not reported
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: Not reported
Division Branch: Cleanup Cypress
Facility ID: 71002346
Site Code: Not reported
Assembly: 39
Senate: 20
Special Program: Not reported
Status: Not reported
Status Date: Not reported
Restricted Use: NO
Site Mgmt. Req.: NONE SPECIFIED
Funding: Not reported
Latitude: 34.262500000000003
Longitude: -118.42610999999999
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CAD028860955
Alias Type: EPA Identification Number
Alias Name: 71002346
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: Not reported
Completed Sub Area Name: Not reported
Completed Document Type: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PACOIMA (Continued)

1000170315

Completed Date: Not reported
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

49
East
1/2-1
0.930 mi.
4908 ft.

D & M STEEL, INC.
11035 SUTTER AVENUE
PACOIMA, CA 91331

RESPONSE
ENVIROSTOR

S108649765
N/A

Relative:
Higher

RESPONSE:

Actual:
1028 ft.

Facility ID: 60000652
Site Type: State Response
Site Type Detail: State Response or NPL
Acres: 0.75
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Mitigation And Brownfield Reuse Program
Project Manager: GABRIEL FARKAS
Supervisor: Juli Propes
Division Branch: Cleanup Chatsworth
Site Code: 301350
Site Mgmt. Req.: NONE SPECIFIED
Assembly: 39
Senate: 20
Special Program Status: Not reported
Status: No Further Action
Status Date: 4/29/2009
Restricted Use: NO
Funding: Responsible Party
Latitude: 34.270483398851702
Longitude: -118.425839876319
APN: NONE SPECIFIED
Past Use: MANUFACTURING - METAL
Potential COC: 30022, 30027
Confirmed COC: Not reported
Potential Description: OTH, SOIL
Alias Name: 110009266640
Alias Type: EPA (FRS #)
Alias Name: 301350
Alias Type: Project Code (Site Code)
Alias Name: 60000652
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Unilateral Order (I/SE, RAO, CAO, EPA AO)

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

D & M STEEL, INC. (Continued)

S108649765

Completed Date: 2007-09-18 00:00:00
Comments: The Order requires D&M Steel to conduct appropriate investigation and remediation with DTSC oversight.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: No Further Action Letter
Completed Date: 2009-04-29 00:00:00
Comments: DTSC GW Report. Groundwater monitoring showed contamination from off-site sources.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 2008-11-18 00:00:00
Comments: DTSC entered into this agreement with D&M Steel, Inc. (Proponent).

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 1998-05-21 00:00:00
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 1996-05-30 00:00:00
Comments: PA/SI process for this site is being conducted by U.S. EPA.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence - Received
Completed Date: 2007-10-12 00:00:00
Comments: RP responded to Unilateral Order.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 2009-04-29 00:00:00
Comments: DTSC recommends that the existing groundwater monitoring wells be maintained in a state that would allow future sampling.

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

ENVIROSTOR:

Site Type: State Response
Site Type Detailed: State Response or NPL
Acres: 0.75
NPL: NO

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

D & M STEEL, INC. (Continued)

S108649765

Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: GABRIEL FARKAS
Supervisor: Juli Propes
Division Branch: Cleanup Chatsworth
Facility ID: 60000652
Site Code: 301350
Assembly: 39
Senate: 20
Special Program: Not reported
Status: No Further Action
Status Date: 4/29/2009
Restricted Use: NO
Site Mgmt. Req.: NONE SPECIFIED
Funding: Responsible Party
Latitude: 34.270483398851702
Longitude: -118.425839876319
APN: NONE SPECIFIED
Past Use: MANUFACTURING - METAL
Potential COC: 30022, 30027
Confirmed COC: Not reported
Potential Description: OTH, SOIL
Alias Name: 110009266640
Alias Type: EPA (FRS #)
Alias Name: 301350
Alias Type: Project Code (Site Code)
Alias Name: 60000652
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Unilateral Order (I/SE, RAO, CAO, EPA AO)
Completed Date: 2007-09-18 00:00:00
Comments: The Order requires D&M Steel to conduct appropriate investigation and remediation with DTSC oversight.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: No Further Action Letter
Completed Date: 2009-04-29 00:00:00
Comments: DTSC GW Report. Groundwater monitoring showed contamination from off-site sources.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 2008-11-18 00:00:00
Comments: DTSC entered into this agreement with D&M Steel, Inc. (Proponent).

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 1998-05-21 00:00:00
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

D & M STEEL, INC. (Continued)

S108649765

Completed Document Type: Site Screening
Completed Date: 1996-05-30 00:00:00
Comments: PA/SI process for this site is being conducted by U.S. EPA.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence - Received
Completed Date: 2007-10-12 00:00:00
Comments: RP responded to Unilateral Order.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 2009-04-29 00:00:00
Comments: DTSC recommends that the existing groundwater monitoring wells be maintained in a state that would allow future sampling.

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

**50
NE
1/2-1
0.942 mi.
4975 ft.**

**CALIFORNIA TECHNICAL PLATING
11533 BRADLEY AVENUE
SAN FERNANDO, CA 91340**

**ENVIROSTOR S110493706
N/A**

**Relative:
Higher**

ENVIROSTOR:

**Actual:
1070 ft.**

Site Type: Evaluation
Site Type Detailed: Evaluation
Acres: 0.5
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: MANJUL BOSE
Supervisor: Rita Kamat
Division Branch: Cleanup Cypress
Facility ID: 71002479
Site Code: Not reported
Assembly: 39
Senate: 20
Special Program: EPA - PASI
Status: Active
Status Date: 9/9/2010
Restricted Use: NO
Site Mgmt. Req.: NONE SPECIFIED
Funding: Not reported
Latitude: 34.278928000000001
Longitude: -118.430207
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CALIFORNIA TECHNICAL PLATING (Continued)

S110493706

Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CAD057348278
Alias Type: EPA Identification Number
Alias Name: 71002479
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 1998-09-22 00:00:00
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: PA/SI Site Screening
Completed Date: 2010-06-09 00:00:00
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

51
NNE
1/2-1
0.985 mi.
5199 ft.

FLEX-LINK PRODUCTS, INC.
599 FOURTH STREET
SAN FERNANDO, CA 91340

ENVIROSTOR S110493844
N/A

Relative:
Higher

ENVIROSTOR:

Actual:
1079 ft.

Site Type: Tiered Permit
Site Type Detailed: Tiered Permit
Acres: Not reported
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: Not reported
Division Branch: Cleanup Cypress
Facility ID: 71002770
Site Code: Not reported
Assembly: 39
Senate: 20
Special Program: Not reported
Status: Not reported
Status Date: Not reported
Restricted Use: NO
Site Mgmt. Req.: NONE SPECIFIED
Funding: Not reported
Latitude: 34.282384
Longitude: -118.431871

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FLEX-LINK PRODUCTS, INC. (Continued)

S110493844

APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CAD981383300
Alias Type: EPA Identification Number
Alias Name: 71002770
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: Not reported
Completed Sub Area Name: Not reported
Completed Document Type: Not reported
Completed Date: Not reported
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

52
North
> 1
1.162 mi.
6134 ft.

SAN FERNANDO ELECTRIC
1501 FIRST STREET
SAN FERNANDO, CA 91340

VCP S100873108
ENVIROSTOR N/A

Relative:
Higher

VCP:

Actual:
1081 ft.

Facility ID: 19360532
Site Type: Voluntary Cleanup
Site Type Detail: Voluntary Cleanup
Site Mgmt. Req.: NONE SPECIFIED
Acres: Not reported
National Priorities List: NO
Cleanup Oversight Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Lead Agency Description: Not reported
Project Manager: MICHEL ISKAROUS
Supervisor: * Harlan Jeché
Division Branch: Cleanup Chatsworth
Site Code: Not reported
Assembly: 39
Senate: 20
Special Programs Code: Voluntary Cleanup Program
Status: No Further Action
Status Date: 10/4/1995
Restricted Use: NO
Funding: Responsible Party
Lat/Long: 34.287498791280903 / -118.442855722136
APN: 2520-011-042, 2520-011-043
Past Use: MANUFACTURING - ELECTRONIC
Potential COC: 30001, 30013

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SAN FERNANDO ELECTRIC (Continued)

S100873108

Confirmed COC: Not reported
Potential Description: SOIL
Alias Name: 2520-011-042
Alias Type: APN
Alias Name: 2520-011-043
Alias Type: APN
Alias Name: CAD008357915
Alias Type: EPA Identification Number
Alias Name: 110009528680
Alias Type: EPA (FRS #)
Alias Name: 19360532
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 1995-02-07 00:00:00
Comments: RP's submitted a PEA report to the Department for review on 02/07/95.
The Department entered into an Agreement under the Voluntary Cleanup Program for a Preliminary Endangerment Assessment.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 1995-10-04 00:00:00
Comments: DTSC completed review of the PEA and concurred with the recommendation that a "No Further Action" is warranted.

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

ENVIROSTOR:

Site Type: Voluntary Cleanup
Site Type Detailed: Voluntary Cleanup
Acres: Not reported
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: MICHEL ISKAROUS
Supervisor: * Harlan Jeché
Division Branch: Cleanup Chatsworth
Facility ID: 19360532
Site Code: Not reported
Assembly: 39
Senate: 20
Special Program: Voluntary Cleanup Program
Status: No Further Action
Status Date: 10/4/1995
Restricted Use: NO

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SAN FERNANDO ELECTRIC (Continued)

S100873108

Site Mgmt. Req.: NONE SPECIFIED
Funding: Responsible Party
Latitude: 34.287498791280903
Longitude: -118.442855722136
APN: 2520-011-042, 2520-011-043
Past Use: MANUFACTURING - ELECTRONIC
Potential COC: 30001, 30013
Confirmed COC: Not reported
Potential Description: SOIL
Alias Name: 2520-011-042
Alias Type: APN
Alias Name: 2520-011-043
Alias Type: APN
Alias Name: CAD008357915
Alias Type: EPA Identification Number
Alias Name: 110009528680
Alias Type: EPA (FRS #)
Alias Name: 19360532
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 1995-02-07 00:00:00
Comments: RP's submitted a PEA report to the Department for review on 02/07/95.
The Department entered into an Agreement under the Voluntary Cleanup
Program for a Preliminary Endangerment Assessment.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 1995-10-04 00:00:00
Comments: DTSC completed review of the PEA and concurred with the
recommendation that a "No Further Action" is warranted.

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

53
ESE
> 1
1.223 mi.
6460 ft.

MUFFLER & RADIATOR SHOP - PACOIMA
10741 TOI 10767 SAN FERNANDO ROAD
PACOIMA, CA 91331

ENVIROSTOR S107736793
N/A

Relative:
Higher

ENVIROSTOR:
Site Type: Evaluation
Site Type Detailed: Evaluation
Acres: 1.1000000000000001
NPL: NO
Regulatory Agencies: SMBRP

Actual:
1011 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MUFFLER & RADIATOR SHOP - PACOIMA (Continued)

S107736793

Lead Agency: NONE SPECIFIED
Program Manager: GABRIEL FARKAS
Supervisor: * Jennifer Jones
Division Branch: Cleanup Chatsworth
Facility ID: 60000195
Site Code: 301250
Assembly: 39
Senate: 20
Special Program: EPA - Target Site Investigation
Status: No Further Action
Status Date: 7/14/2005
Restricted Use: NO
Site Mgmt. Req.: NONE SPECIFIED
Funding: EPA Grant
Latitude: 34.266300000000001
Longitude: -118.421850000000001
APN: NONE SPECIFIED
Past Use: FUEL - VEHICLE STORAGE/ REFUELING, VEHICLE MAINTENANCE
Potential COC: 30003, 30013, 30024, 30025
Confirmed COC: Not reported
Potential Description: SOIL
Alias Name: 301250
Alias Type: Project Code (Site Code)
Alias Name: 60000195
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Workplan
Completed Date: 2005-04-08 00:00:00
Comments: PEA Workplan approved by DTSC and conditionally approved by USEPA for Targeted Site Investigation

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 2006-01-16 00:00:00
Comments: PEA approved for no further action. No sampling was conducted in certain parts of operating auto repair facility.

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

54
ENE
> 1
1.225 mi.
6469 ft.

VAUGHN HIGH SCHOOL ACADEMY
11467 HERRICK AVENUE
LOS ANGELES, CA 91331

SCH
ENVIROSTOR S109548317
N/A

Relative:
Higher

SCH:

Actual:
1076 ft.

Facility ID: 60001071
Site Type: School Investigation
Site Type Detail: School
Site Mgmt. Req.: NONE SPECIFIED
Acres: 0.17000000000000001
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Mitigation And Brownfield Reuse Program
Project Manager: CHRISTINE CHIU
Supervisor: Shahir Haddad
Division Branch: Cleanup Cypress
Site Code: 304619
Assembly: 39
Senate: 20
Special Program Status: Not reported
Status: No Further Action
Status Date: 6/2/2009
Restricted Use: NO
Funding: School District
Latitude: 34.278599999999997
Longitude: -118.422700000000001
APN: 2523-014-907
Past Use: RESIDENTIAL AREA
Potential COC: 30004, 30007, 30008, 30013, 30207, 30308
Confirmed COC: NONE SPECIFIED
Potential Description: SOIL
Alias Name: 2523-014-907
Alias Type: APN
Alias Name: 304619
Alias Type: Project Code (Site Code)
Alias Name: 60001071
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 2009-05-26 00:00:00
Comments: DTSC approved the Phase I report, which included the Phase I Addendum, with a No Further Action determination.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1 Addendum
Completed Date: 2009-05-26 00:00:00
Comments: DTSC approved the Phase I report, which included the Phase I Addendum, with a No Further Action determination.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

VAUGHN HIGH SCHOOL ACADEMY (Continued)

S109548317

Completed Date: 2009-06-02 00:00:00
Comments: DTSC prepared project close out Cost Recovery Unit Memorandum.

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

ENVIROSTOR:

Site Type: School Investigation
Site Type Detailed: School
Acres: 0.17000000000000001
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: CHRISTINE CHIU
Supervisor: Shahir Haddad
Division Branch: Cleanup Cypress
Facility ID: 60001071
Site Code: 304619
Assembly: 39
Senate: 20
Special Program: Not reported
Status: No Further Action
Status Date: 6/2/2009
Restricted Use: NO
Site Mgmt. Req.: NONE SPECIFIED
Funding: School District
Latitude: 34.278599999999997
Longitude: -118.422700000000001
APN: 2523-014-907
Past Use: RESIDENTIAL AREA
Potential COC: 30004, 30007, 30008, 30013, 30207, 30308
Confirmed COC: NONE SPECIFIED
Potential Description: SOIL
Alias Name: 2523-014-907
Alias Type: APN
Alias Name: 304619
Alias Type: Project Code (Site Code)
Alias Name: 60001071
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 2009-05-26 00:00:00
Comments: DTSC approved the Phase I report, which included the Phase I Addendum, with a No Further Action determination.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

VAUGHN HIGH SCHOOL ACADEMY (Continued)

S109548317

Completed Document Type: Phase 1 Addendum
Completed Date: 2009-05-26 00:00:00
Comments: DTSC approved the Phase I report, which included the Phase I Addendum, with a No Further Action determination.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 2009-06-02 00:00:00
Comments: DTSC prepared project close out Cost Recovery Unit Memorandum.

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

Count: 21 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
SYLMAR	1000376764	LA SAN FERNANDO ST MAINT YARD	11370 SAN FERNANDO RD	91342	RCRA-SQG,FINDS
SAN FERNANDO	1014202342	DANIELS ENGRAVING (FORMER)	9391 REMICK AVENUE	91340	CERCLIS
	2010933080	SAN FERNANDO VALLEY	SAN FERNANDO VALLEY		ERNS
SYLMAR	94358109	SAN FERNANDO RD AND OLDEN	SAN FERNANDO RD AND OLDEN	91345	ERNS
SAN FERNANDO	S103975595	LUCKY STORES INC	ON I-5 SOUTHBOUND @ BRAND ST O	91340	HAZNET
SYLMAR	S105085200	GTE CALIFORNIA INC	W. SIDE OF SAN FERNANDO RD N.O	91342	HAZNET
FILLMORE	S106077543	SOUTHERN CALIFORNIA FLEET SERVICE	1310 SAN FERNANDO RD STE 6	91342	HAZNET
SYLMAR	S106836902	PACESETTER SYS INC	12740 / 12744 SAN FERNANDO R	91342	EMI
SAN FERNANDO	S106842966	SAN FERNANDO ELECTRIC	1321 001ST ST	91340	SITE MIT LOS ANGELES
LAKE VIEW TERRACE	S107139173	CALTRANS DIST 7/MAINTENANCE	I-210 E OF FILMORE/RTE 118(6.4	91331	HAZNET
	S107532211		28.15 MI.MARKER ON ANGELES CRE		CDL
LAKE VIEW TERRACE	S107538909		IN ALLEY BEHIND 12976 PAXTON S	91331	CDL
SYLMAR	S108200570	CALTRANS DIST 7	RTE 5 SB/NB KP 63.4-72.6	91342	HAZNET
SAN FERNANDO	S109428262	LAUREL CANYON & SHELL	111278 LAUREL CANYON BLVD	91340	HAZNET
SYLMAR	S109451967	NEWHALL I 5 SR 14	I 5 SR 14 SAN FERNANDO RD OFF	91342	NPDES
SANTA CLARITA	S109456626	ROUTE 5/14 HIGH OCCUPANCY VEHICLE	WEST SYLMAR OVERHEAD AT SAN FE	91342	NPDES
LOS ANGELES	S109457106	SAN FERNANDO RD BIKE PATH PHASE 1	12300 13100 SAN FERNANDO RD	91342	NPDES
SYLMAR	S109460151	SWC OLDEN ST & SAN FERNANDO RD	SWC OLDEN ST / SAN FERNANDO	91342	NPDES
SYLMAR	S109927903	SELLAND AUTO TRANSPORTS INC	CORNER OF PAXTON ST / 210 FW	91342	HAZNET
LOS ANGELES	S109936200	CALTRANS D-7/CONSTR/EA07-168004	RTE 5/14 PM R71.2-R74.0	91342	HAZNET
PACOIMA	U003780436	CHEVRON U.S.A PRODUCTS COMPANY	1113 SAN FERNANDO RD	91331	UST ALAMEDA

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 12/31/2010	Source: EPA
Date Data Arrived at EDR: 01/13/2011	Telephone: N/A
Date Made Active in Reports: 01/28/2011	Last EDR Contact: 01/13/2011
Number of Days to Update: 15	Next Scheduled EDR Contact: 04/25/2011
	Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 12/31/2010	Source: EPA
Date Data Arrived at EDR: 01/13/2011	Telephone: N/A
Date Made Active in Reports: 01/28/2011	Last EDR Contact: 01/13/2011
Number of Days to Update: 15	Next Scheduled EDR Contact: 04/25/2011
	Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991	Source: EPA
Date Data Arrived at EDR: 02/02/1994	Telephone: 202-564-4267
Date Made Active in Reports: 03/30/1994	Last EDR Contact: 11/22/2010
Number of Days to Update: 56	Next Scheduled EDR Contact: 02/28/2011
	Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal Delisted NPL site list

DELISTED NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 12/31/2010	Source: EPA
Date Data Arrived at EDR: 01/13/2011	Telephone: N/A
Date Made Active in Reports: 01/28/2011	Last EDR Contact: 01/13/2011
Number of Days to Update: 15	Next Scheduled EDR Contact: 04/25/2011
	Data Release Frequency: Quarterly

Federal CERCLIS list

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System

CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 09/30/2010	Source: EPA
Date Data Arrived at EDR: 10/01/2010	Telephone: 703-412-9810
Date Made Active in Reports: 01/28/2011	Last EDR Contact: 12/30/2010
Number of Days to Update: 119	Next Scheduled EDR Contact: 04/11/2011
	Data Release Frequency: Quarterly

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA's Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 06/23/2009	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/15/2010	Telephone: 703-603-8704
Date Made Active in Reports: 02/10/2010	Last EDR Contact: 01/11/2011
Number of Days to Update: 26	Next Scheduled EDR Contact: 04/25/2011
	Data Release Frequency: Varies

Federal CERCLIS NFRAP site List

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

Archived sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Date of Government Version: 06/23/2009	Source: EPA
Date Data Arrived at EDR: 09/02/2009	Telephone: 703-412-9810
Date Made Active in Reports: 09/21/2009	Last EDR Contact: 12/01/2010
Number of Days to Update: 19	Next Scheduled EDR Contact: 03/14/2011
	Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 05/25/2010
Date Data Arrived at EDR: 06/02/2010
Date Made Active in Reports: 10/04/2010
Number of Days to Update: 124

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 11/22/2010
Next Scheduled EDR Contact: 02/28/2011
Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 02/17/2010
Date Data Arrived at EDR: 02/19/2010
Date Made Active in Reports: 05/17/2010
Number of Days to Update: 87

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 01/06/2011
Next Scheduled EDR Contact: 04/18/2011
Data Release Frequency: Quarterly

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 02/17/2010
Date Data Arrived at EDR: 02/19/2010
Date Made Active in Reports: 05/17/2010
Number of Days to Update: 87

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 01/06/2011
Next Scheduled EDR Contact: 04/18/2011
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 02/17/2010
Date Data Arrived at EDR: 02/19/2010
Date Made Active in Reports: 05/17/2010
Number of Days to Update: 87

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 01/06/2011
Next Scheduled EDR Contact: 04/18/2011
Data Release Frequency: Quarterly

RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 02/17/2010
Date Data Arrived at EDR: 02/19/2010
Date Made Active in Reports: 05/17/2010
Number of Days to Update: 87

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 01/06/2011
Next Scheduled EDR Contact: 04/18/2011
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal institutional controls / engineering controls registries

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 01/05/2011	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/14/2011	Telephone: 703-603-0695
Date Made Active in Reports: 01/28/2011	Last EDR Contact: 12/10/2010
Number of Days to Update: 14	Next Scheduled EDR Contact: 03/28/2011
	Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 01/05/2011	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/14/2011	Telephone: 703-603-0695
Date Made Active in Reports: 01/28/2011	Last EDR Contact: 12/10/2010
Number of Days to Update: 14	Next Scheduled EDR Contact: 03/28/2011
	Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 07/09/2010	Source: National Response Center, United States Coast Guard
Date Data Arrived at EDR: 07/09/2010	Telephone: 202-267-2180
Date Made Active in Reports: 08/17/2010	Last EDR Contact: 01/07/2011
Number of Days to Update: 39	Next Scheduled EDR Contact: 04/18/2011
	Data Release Frequency: Annually

State- and tribal - equivalent NPL

RESPONSE: State Response Sites

Identifies confirmed release sites where DTSC is involved in remediation, either in a lead or oversight capacity. These confirmed release sites are generally high-priority and high potential risk.

Date of Government Version: 11/08/2010	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 12/17/2010	Telephone: 916-323-3400
Date Made Active in Reports: 01/25/2011	Last EDR Contact: 11/09/2010
Number of Days to Update: 39	Next Scheduled EDR Contact: 02/21/2011
	Data Release Frequency: Quarterly

State- and tribal - equivalent CERCLIS

ENVIROSTOR: EnviroStor Database

The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifies sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 11/08/2010
Date Data Arrived at EDR: 12/17/2010
Date Made Active in Reports: 01/25/2011
Number of Days to Update: 39

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 11/09/2010
Next Scheduled EDR Contact: 02/21/2011
Data Release Frequency: Quarterly

State and tribal landfill and/or solid waste disposal site lists

SWF/LF (SWIS): Solid Waste Information System

Active, Closed and Inactive Landfills. SWF/LF records typically contain an inventory of solid waste disposal facilities or landfills. These may be active or inactive facilities or open dumps that failed to meet RCRA Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 11/22/2010
Date Data Arrived at EDR: 11/23/2010
Date Made Active in Reports: 01/25/2011
Number of Days to Update: 63

Source: Department of Resources Recycling and Recovery
Telephone: 916-341-6320
Last EDR Contact: 11/23/2010
Next Scheduled EDR Contact: 03/07/2011
Data Release Frequency: Quarterly

State and tribal leaking storage tank lists

LUST REG 9: Leaking Underground Storage Tank Report

Orange, Riverside, San Diego counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 03/01/2001
Date Data Arrived at EDR: 04/23/2001
Date Made Active in Reports: 05/21/2001
Number of Days to Update: 28

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-637-5595
Last EDR Contact: 12/22/2010
Next Scheduled EDR Contact: 04/11/2011
Data Release Frequency: No Update Planned

LUST REG 7: Leaking Underground Storage Tank Case Listing

Leaking Underground Storage Tank locations. Imperial, Riverside, San Diego, Santa Barbara counties.

Date of Government Version: 02/26/2004
Date Data Arrived at EDR: 02/26/2004
Date Made Active in Reports: 03/24/2004
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Colorado River Basin Region (7)
Telephone: 760-776-8943
Last EDR Contact: 01/31/2011
Next Scheduled EDR Contact: 05/16/2011
Data Release Frequency: No Update Planned

LUST REG 6V: Leaking Underground Storage Tank Case Listing

Leaking Underground Storage Tank locations. Inyo, Kern, Los Angeles, Mono, San Bernardino counties.

Date of Government Version: 06/07/2005
Date Data Arrived at EDR: 06/07/2005
Date Made Active in Reports: 06/29/2005
Number of Days to Update: 22

Source: California Regional Water Quality Control Board Victorville Branch Office (6)
Telephone: 760-241-7365
Last EDR Contact: 12/10/2010
Next Scheduled EDR Contact: 03/28/2011
Data Release Frequency: No Update Planned

LUST REG 6L: Leaking Underground Storage Tank Case Listing

For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/09/2003
Date Data Arrived at EDR: 09/10/2003
Date Made Active in Reports: 10/07/2003
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Lahontan Region (6)
Telephone: 530-542-5572
Last EDR Contact: 12/10/2010
Next Scheduled EDR Contact: 03/28/2011
Data Release Frequency: No Update Planned

LUST REG 5: Leaking Underground Storage Tank Database

Leaking Underground Storage Tank locations. Alameda, Alpine, Amador, Butte, Colusa, Contra Costa, Calaveras, El Dorado, Fresno, Glenn, Kern, Kings, Lake, Lassen, Madera, Mariposa, Merced, Modoc, Napa, Nevada, Placer, Plumas, Sacramento, San Joaquin, Shasta, Solano, Stanislaus, Sutter, Tehama, Tulare, Tuolumne, Yolo, Yuba counties.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 07/01/2008
Date Data Arrived at EDR: 07/22/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 9

Source: California Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-4834
Last EDR Contact: 01/03/2011
Next Scheduled EDR Contact: 04/18/2011
Data Release Frequency: Quarterly

LUST REG 4: Underground Storage Tank Leak List

Los Angeles, Ventura counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35

Source: California Regional Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6710
Last EDR Contact: 12/06/2010
Next Scheduled EDR Contact: 03/21/2011
Data Release Frequency: No Update Planned

LUST REG 3: Leaking Underground Storage Tank Database

Leaking Underground Storage Tank locations. Monterey, San Benito, San Luis Obispo, Santa Barbara, Santa Cruz counties.

Date of Government Version: 05/19/2003
Date Data Arrived at EDR: 05/19/2003
Date Made Active in Reports: 06/02/2003
Number of Days to Update: 14

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-542-4786
Last EDR Contact: 05/17/2011
Next Scheduled EDR Contact: 05/02/2011
Data Release Frequency: No Update Planned

LUST REG 2: Fuel Leak List

Leaking Underground Storage Tank locations. Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, Santa Clara, Solano, Sonoma counties.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: California Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-622-2433
Last EDR Contact: 12/16/2010
Next Scheduled EDR Contact: 04/04/2011
Data Release Frequency: Quarterly

LUST REG 1: Active Toxic Site Investigation

Del Norte, Humboldt, Lake, Mendocino, Modoc, Siskiyou, Sonoma, Trinity counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/01/2001
Date Data Arrived at EDR: 02/28/2001
Date Made Active in Reports: 03/29/2001
Number of Days to Update: 29

Source: California Regional Water Quality Control Board North Coast (1)
Telephone: 707-570-3769
Last EDR Contact: 01/31/2011
Next Scheduled EDR Contact: 05/16/2011
Data Release Frequency: No Update Planned

LUST: Geotracker's Leaking Underground Fuel Tank Report

Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state. For more information on a particular leaking underground storage tank sites, please contact the appropriate regulatory agency.

Date of Government Version: 12/16/2010
Date Data Arrived at EDR: 12/16/2010
Date Made Active in Reports: 01/28/2011
Number of Days to Update: 43

Source: State Water Resources Control Board
Telephone: see region list
Last EDR Contact: 02/04/2011
Next Scheduled EDR Contact: 04/04/2011
Data Release Frequency: Quarterly

LUST REG 8: Leaking Underground Storage Tanks

California Regional Water Quality Control Board Santa Ana Region (8). For more current information, please refer to the State Water Resources Control Board's LUST database.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 02/14/2005
Date Data Arrived at EDR: 02/15/2005
Date Made Active in Reports: 03/28/2005
Number of Days to Update: 41

Source: California Regional Water Quality Control Board Santa Ana Region (8)
Telephone: 909-782-4496
Last EDR Contact: 01/17/2011
Next Scheduled EDR Contact: 05/02/2011
Data Release Frequency: Varies

SLIC: Statewide SLIC Cases

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 12/16/2010
Date Data Arrived at EDR: 12/16/2010
Date Made Active in Reports: 01/28/2011
Number of Days to Update: 43

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 02/04/2011
Next Scheduled EDR Contact: 04/04/2011
Data Release Frequency: Varies

SLIC REG 1: Active Toxic Site Investigations

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2003
Date Data Arrived at EDR: 04/07/2003
Date Made Active in Reports: 04/25/2003
Number of Days to Update: 18

Source: California Regional Water Quality Control Board, North Coast Region (1)
Telephone: 707-576-2220
Last EDR Contact: 01/31/2011
Next Scheduled EDR Contact: 05/16/2011
Data Release Frequency: No Update Planned

SLIC REG 2: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-286-0457
Last EDR Contact: 12/16/2010
Next Scheduled EDR Contact: 04/04/2011
Data Release Frequency: Quarterly

SLIC REG 3: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/18/2006
Date Data Arrived at EDR: 05/18/2006
Date Made Active in Reports: 06/15/2006
Number of Days to Update: 28

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-549-3147
Last EDR Contact: 01/17/2011
Next Scheduled EDR Contact: 05/02/2011
Data Release Frequency: Semi-Annually

SLIC REG 4: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/17/2004
Date Data Arrived at EDR: 11/18/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 47

Source: Region Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6600
Last EDR Contact: 01/03/2011
Next Scheduled EDR Contact: 04/18/2011
Data Release Frequency: Varies

SLIC REG 5: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 04/01/2005
Date Data Arrived at EDR: 04/05/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 16

Source: Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-3291
Last EDR Contact: 12/10/2010
Next Scheduled EDR Contact: 03/28/2011
Data Release Frequency: Semi-Annually

SLIC REG 6V: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/24/2005
Date Data Arrived at EDR: 05/25/2005
Date Made Active in Reports: 06/16/2005
Number of Days to Update: 22

Source: Regional Water Quality Control Board, Victorville Branch
Telephone: 619-241-6583
Last EDR Contact: 11/22/2010
Next Scheduled EDR Contact: 02/28/2011
Data Release Frequency: Semi-Annually

SLIC REG 6L: SLIC Sites

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35

Source: California Regional Water Quality Control Board, Lahontan Region
Telephone: 530-542-5574
Last EDR Contact: 11/22/2010
Next Scheduled EDR Contact: 02/28/2011
Data Release Frequency: No Update Planned

SLIC REG 7: SLIC List

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/24/2004
Date Data Arrived at EDR: 11/29/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 36

Source: California Regional Quality Control Board, Colorado River Basin Region
Telephone: 760-346-7491
Last EDR Contact: 01/31/2011
Next Scheduled EDR Contact: 05/16/2011
Data Release Frequency: No Update Planned

SLIC REG 8: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2008
Date Data Arrived at EDR: 04/03/2008
Date Made Active in Reports: 04/14/2008
Number of Days to Update: 11

Source: California Region Water Quality Control Board Santa Ana Region (8)
Telephone: 951-782-3298
Last EDR Contact: 12/10/2010
Next Scheduled EDR Contact: 03/28/2011
Data Release Frequency: Semi-Annually

SLIC REG 9: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/10/2007
Date Data Arrived at EDR: 09/11/2007
Date Made Active in Reports: 09/28/2007
Number of Days to Update: 17

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-467-2980
Last EDR Contact: 02/07/2011
Next Scheduled EDR Contact: 05/23/2011
Data Release Frequency: Annually

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 11/12/2010
Date Data Arrived at EDR: 11/12/2010
Date Made Active in Reports: 01/28/2011
Number of Days to Update: 77

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 01/31/2011
Next Scheduled EDR Contact: 05/16/2011
Data Release Frequency: Quarterly

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 09/01/2010
Date Data Arrived at EDR: 11/05/2010
Date Made Active in Reports: 01/28/2011
Number of Days to Update: 84

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 02/03/2011
Next Scheduled EDR Contact: 05/16/2011
Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 11/16/2010
Date Data Arrived at EDR: 11/19/2010
Date Made Active in Reports: 01/28/2011
Number of Days to Update: 70

Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 01/31/2011
Next Scheduled EDR Contact: 05/16/2011
Data Release Frequency: Quarterly

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 11/04/2010
Date Data Arrived at EDR: 11/05/2010
Date Made Active in Reports: 01/28/2011
Number of Days to Update: 84

Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 01/31/2011
Next Scheduled EDR Contact: 05/16/2011
Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 08/27/2010
Date Data Arrived at EDR: 08/30/2010
Date Made Active in Reports: 10/04/2010
Number of Days to Update: 35

Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 01/31/2011
Next Scheduled EDR Contact: 05/16/2011
Data Release Frequency: Semi-Annually

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 11/19/2010
Date Data Arrived at EDR: 11/19/2010
Date Made Active in Reports: 01/28/2011
Number of Days to Update: 70

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 01/31/2011
Next Scheduled EDR Contact: 05/16/2011
Data Release Frequency: Quarterly

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 11/04/2009
Date Data Arrived at EDR: 05/04/2010
Date Made Active in Reports: 07/07/2010
Number of Days to Update: 64

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 05/04/2010
Next Scheduled EDR Contact: 05/16/2011
Data Release Frequency: Varies

State and tribal registered storage tank lists

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

UST: Active UST Facilities

Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 12/16/2010	Source: SWRCB
Date Data Arrived at EDR: 12/16/2010	Telephone: 916-480-1028
Date Made Active in Reports: 01/20/2011	Last EDR Contact: 02/04/2011
Number of Days to Update: 35	Next Scheduled EDR Contact: 04/04/2011
	Data Release Frequency: Semi-Annually

AST: Aboveground Petroleum Storage Tank Facilities

Registered Aboveground Storage Tanks.

Date of Government Version: 08/01/2009	Source: State Water Resources Control Board
Date Data Arrived at EDR: 09/10/2009	Telephone: 916-341-5712
Date Made Active in Reports: 10/01/2009	Last EDR Contact: 01/10/2011
Number of Days to Update: 21	Next Scheduled EDR Contact: 04/25/2011
	Data Release Frequency: Quarterly

INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 11/12/2010	Source: EPA Region 10
Date Data Arrived at EDR: 11/12/2010	Telephone: 206-553-2857
Date Made Active in Reports: 01/28/2011	Last EDR Contact: 01/31/2011
Number of Days to Update: 77	Next Scheduled EDR Contact: 05/16/2011
	Data Release Frequency: Quarterly

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 11/19/2010	Source: EPA Region 9
Date Data Arrived at EDR: 11/19/2010	Telephone: 415-972-3368
Date Made Active in Reports: 01/28/2011	Last EDR Contact: 01/31/2011
Number of Days to Update: 70	Next Scheduled EDR Contact: 05/16/2011
	Data Release Frequency: Quarterly

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 11/16/2010	Source: EPA Region 8
Date Data Arrived at EDR: 11/19/2010	Telephone: 303-312-6137
Date Made Active in Reports: 01/28/2011	Last EDR Contact: 01/31/2011
Number of Days to Update: 70	Next Scheduled EDR Contact: 05/16/2011
	Data Release Frequency: Quarterly

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 11/01/2010	Source: EPA Region 7
Date Data Arrived at EDR: 12/02/2010	Telephone: 913-551-7003
Date Made Active in Reports: 01/28/2011	Last EDR Contact: 02/03/2011
Number of Days to Update: 57	Next Scheduled EDR Contact: 05/16/2011
	Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 11/10/2010
Date Data Arrived at EDR: 12/01/2010
Date Made Active in Reports: 01/28/2011
Number of Days to Update: 58

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 01/31/2011
Next Scheduled EDR Contact: 05/16/2011
Data Release Frequency: Semi-Annually

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 02/11/2010
Date Data Arrived at EDR: 02/11/2010
Date Made Active in Reports: 04/12/2010
Number of Days to Update: 60

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 01/31/2011
Next Scheduled EDR Contact: 05/16/2011
Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations).

Date of Government Version: 08/27/2010
Date Data Arrived at EDR: 08/30/2010
Date Made Active in Reports: 10/04/2010
Number of Days to Update: 35

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 01/31/2011
Next Scheduled EDR Contact: 05/16/2011
Data Release Frequency: Semi-Annually

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 09/01/2010
Date Data Arrived at EDR: 11/05/2010
Date Made Active in Reports: 01/28/2011
Number of Days to Update: 84

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 02/03/2011
Next Scheduled EDR Contact: 05/16/2011
Data Release Frequency: Varies

FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 01/01/2010
Date Data Arrived at EDR: 02/16/2010
Date Made Active in Reports: 04/12/2010
Number of Days to Update: 55

Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 01/17/2011
Next Scheduled EDR Contact: 05/02/2011
Data Release Frequency: Varies

State and tribal voluntary cleanup sites

INDIAN VCP R7: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27

Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 04/20/2009
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

VCP: Voluntary Cleanup Program Properties

Contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have request that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 11/08/2010
Date Data Arrived at EDR: 12/17/2010
Date Made Active in Reports: 01/25/2011
Number of Days to Update: 39

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 11/09/2010
Next Scheduled EDR Contact: 02/21/2011
Data Release Frequency: Quarterly

INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 04/02/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 01/05/2010
Next Scheduled EDR Contact: 04/18/2011
Data Release Frequency: Varies

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

Included in the listing are brownfields properties addresses by Cooperative Agreement Recipients and brownfields properties addressed by Targeted Brownfields Assessments. Targeted Brownfields Assessments-EPA's Targeted Brownfields Assessments (TBA) program is designed to help states, tribes, and municipalities--especially those without EPA Brownfields Assessment Demonstration Pilots--minimize the uncertainties of contamination often associated with brownfields. Under the TBA program, EPA provides funding and/or technical assistance for environmental assessments at brownfields sites throughout the country. Targeted Brownfields Assessments supplement and work with other efforts under EPA's Brownfields Initiative to promote cleanup and redevelopment of brownfields. Cooperative Agreement Recipients-States, political subdivisions, territories, and Indian tribes become Brownfields Cleanup Revolving Loan Fund (BCRLF) cooperative agreement recipients when they enter into BCRLF cooperative agreements with the U.S. EPA. EPA selects BCRLF cooperative agreement recipients based on a proposal and application process. BCRLF cooperative agreement recipients must use EPA funds provided through BCRLF cooperative agreement for specified brownfields-related cleanup activities.

Date of Government Version: 06/24/2010
Date Data Arrived at EDR: 06/25/2010
Date Made Active in Reports: 08/17/2010
Number of Days to Update: 53

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 12/30/2010
Next Scheduled EDR Contact: 04/11/2011
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 12/22/2010
Next Scheduled EDR Contact: 04/11/2011
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

WMUDS/SWAT: Waste Management Unit Database

Waste Management Unit Database System. WMUDS is used by the State Water Resources Control Board staff and the Regional Water Quality Control Boards for program tracking and inventory of waste management units. WMUDS is composed of the following databases: Facility Information, Scheduled Inspections Information, Waste Management Unit Information, SWAT Program Information, SWAT Report Summary Information, SWAT Report Summary Data, Chapter 15 (formerly Subchapter 15) Information, Chapter 15 Monitoring Parameters, TPCA Program Information, RCRA Program Information, Closure Information, and Interested Parties Information.

Date of Government Version: 04/01/2000
Date Data Arrived at EDR: 04/10/2000
Date Made Active in Reports: 05/10/2000
Number of Days to Update: 30

Source: State Water Resources Control Board
Telephone: 916-227-4448
Last EDR Contact: 11/22/2010
Next Scheduled EDR Contact: 02/28/2011
Data Release Frequency: Quarterly

SWRCY: Recycler Database

A listing of recycling facilities in California.

Date of Government Version: 11/18/2010
Date Data Arrived at EDR: 12/23/2010
Date Made Active in Reports: 01/28/2011
Number of Days to Update: 36

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 12/23/2010
Next Scheduled EDR Contact: 04/04/2011
Data Release Frequency: Quarterly

HAULERS: Registered Waste Tire Haulers Listing

A listing of registered waste tire haulers.

Date of Government Version: 11/22/2010
Date Data Arrived at EDR: 11/23/2010
Date Made Active in Reports: 01/25/2011
Number of Days to Update: 63

Source: Integrated Waste Management Board
Telephone: 916-341-6422
Last EDR Contact: 11/23/2010
Next Scheduled EDR Contact: 03/07/2011
Data Release Frequency: Varies

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 11/09/2010
Next Scheduled EDR Contact: 02/21/2011
Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 05/07/2010
Date Data Arrived at EDR: 06/18/2010
Date Made Active in Reports: 08/17/2010
Number of Days to Update: 60

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 12/08/2010
Next Scheduled EDR Contact: 03/21/2011
Data Release Frequency: Quarterly

HIST CAL-SITES: Calsites Database

The Calsites database contains potential or confirmed hazardous substance release properties. In 1996, California EPA reevaluated and significantly reduced the number of sites in the Calsites database. No longer updated by the state agency. It has been replaced by ENVIROSTOR.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 08/08/2005
Date Data Arrived at EDR: 08/03/2006
Date Made Active in Reports: 08/24/2006
Number of Days to Update: 21

Source: Department of Toxic Substance Control
Telephone: 916-323-3400
Last EDR Contact: 02/23/2009
Next Scheduled EDR Contact: 05/25/2009
Data Release Frequency: No Update Planned

SCH: School Property Evaluation Program

This category contains proposed and existing school sites that are being evaluated by DTSC for possible hazardous materials contamination. In some cases, these properties may be listed in the CalSites category depending on the level of threat to public health and safety or the environment they pose.

Date of Government Version: 11/08/2010
Date Data Arrived at EDR: 12/17/2010
Date Made Active in Reports: 01/25/2011
Number of Days to Update: 39

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 11/09/2010
Next Scheduled EDR Contact: 02/21/2011
Data Release Frequency: Quarterly

TOXIC PITS: Toxic Pits Cleanup Act Sites

Toxic PITS Cleanup Act Sites. TOXIC PITS identifies sites suspected of containing hazardous substances where cleanup has not yet been completed.

Date of Government Version: 07/01/1995
Date Data Arrived at EDR: 08/30/1995
Date Made Active in Reports: 09/26/1995
Number of Days to Update: 27

Source: State Water Resources Control Board
Telephone: 916-227-4364
Last EDR Contact: 01/26/2009
Next Scheduled EDR Contact: 04/27/2009
Data Release Frequency: No Update Planned

CDL: Clandestine Drug Labs

A listing of drug lab locations. Listing of a location in this database does not indicate that any illegal drug lab materials were or were not present there, and does not constitute a determination that the location either requires or does not require additional cleanup work.

Date of Government Version: 08/19/2010
Date Data Arrived at EDR: 08/23/2010
Date Made Active in Reports: 09/29/2010
Number of Days to Update: 37

Source: Department of Toxic Substances Control
Telephone: 916-255-6504
Last EDR Contact: 02/07/2011
Next Scheduled EDR Contact: 04/18/2011
Data Release Frequency: Varies

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 09/01/2007
Date Data Arrived at EDR: 11/19/2008
Date Made Active in Reports: 03/30/2009
Number of Days to Update: 131

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 03/23/2009
Next Scheduled EDR Contact: 06/22/2009
Data Release Frequency: No Update Planned

Local Lists of Registered Storage Tanks

CA FID UST: Facility Inventory Database

The Facility Inventory Database (FID) contains a historical listing of active and inactive underground storage tank locations from the State Water Resource Control Board. Refer to local/county source for current data.

Date of Government Version: 10/31/1994
Date Data Arrived at EDR: 09/05/1995
Date Made Active in Reports: 09/29/1995
Number of Days to Update: 24

Source: California Environmental Protection Agency
Telephone: 916-341-5851
Last EDR Contact: 12/28/1998
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

UST MENDOCINO: Mendocino County UST Database

A listing of underground storage tank locations in Mendocino County.

Date of Government Version: 09/23/2009	Source: Department of Public Health
Date Data Arrived at EDR: 09/23/2009	Telephone: 707-463-4466
Date Made Active in Reports: 10/01/2009	Last EDR Contact: 12/06/2010
Number of Days to Update: 8	Next Scheduled EDR Contact: 03/21/2011
	Data Release Frequency: Annually

HIST UST: Hazardous Substance Storage Container Database

The Hazardous Substance Storage Container Database is a historical listing of UST sites. Refer to local/county source for current data.

Date of Government Version: 10/15/1990	Source: State Water Resources Control Board
Date Data Arrived at EDR: 01/25/1991	Telephone: 916-341-5851
Date Made Active in Reports: 02/12/1991	Last EDR Contact: 07/26/2001
Number of Days to Update: 18	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

SWEEPS UST: SWEEPS UST Listing

Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

Date of Government Version: 06/01/1994	Source: State Water Resources Control Board
Date Data Arrived at EDR: 07/07/2005	Telephone: N/A
Date Made Active in Reports: 08/11/2005	Last EDR Contact: 06/03/2005
Number of Days to Update: 35	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

Local Land Records

LIENS 2: CERCLA Lien Information

A Federal CERCLA ("Superfund") lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 05/06/2010	Source: Environmental Protection Agency
Date Data Arrived at EDR: 05/11/2010	Telephone: 202-564-6023
Date Made Active in Reports: 08/09/2010	Last EDR Contact: 01/31/2011
Number of Days to Update: 90	Next Scheduled EDR Contact: 05/16/2011
	Data Release Frequency: Varies

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 12/09/2005	Source: Department of the Navy
Date Data Arrived at EDR: 12/11/2006	Telephone: 843-820-7326
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 11/22/2010
Number of Days to Update: 31	Next Scheduled EDR Contact: 03/07/2011
	Data Release Frequency: Varies

LIENS: Environmental Liens Listing

A listing of property locations with environmental liens for California where DTSC is a lien holder.

Date of Government Version: 12/08/2010	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 12/09/2010	Telephone: 916-323-3400
Date Made Active in Reports: 01/25/2011	Last EDR Contact: 01/17/2011
Number of Days to Update: 47	Next Scheduled EDR Contact: 05/02/2011
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

DEED: Deed Restriction Listing

Site Mitigation and Brownfields Reuse Program Facility Sites with Deed Restrictions & Hazardous Waste Management Program Facility Sites with Deed / Land Use Restriction. The DTSC Site Mitigation and Brownfields Reuse Program (SMBRP) list includes sites cleaned up under the program's oversight and generally does not include current or former hazardous waste facilities that required a hazardous waste facility permit. The list represents deed restrictions that are active. Some sites have multiple deed restrictions. The DTSC Hazardous Waste Management Program (HWMP) has developed a list of current or former hazardous waste facilities that have a recorded land use restriction at the local county recorder's office. The land use restrictions on this list were required by the DTSC HWMP as a result of the presence of hazardous substances that remain on site after the facility (or part of the facility) has been closed or cleaned up. The types of land use restriction include deed notice, deed restriction, or a land use restriction that binds current and future owners.

Date of Government Version: 12/14/2010
Date Data Arrived at EDR: 12/14/2010
Date Made Active in Reports: 01/25/2011
Number of Days to Update: 42

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 12/14/2010
Next Scheduled EDR Contact: 03/28/2011
Data Release Frequency: Semi-Annually

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 04/06/2010
Date Data Arrived at EDR: 04/07/2010
Date Made Active in Reports: 05/27/2010
Number of Days to Update: 50

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 01/05/2011
Next Scheduled EDR Contact: 04/18/2011
Data Release Frequency: Annually

CHMIRS: California Hazardous Material Incident Report System

California Hazardous Material Incident Reporting System. CHMIRS contains information on reported hazardous material incidents (accidental releases or spills).

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 07/21/2010
Date Made Active in Reports: 08/20/2010
Number of Days to Update: 30

Source: Office of Emergency Services
Telephone: 916-845-8400
Last EDR Contact: 01/31/2011
Next Scheduled EDR Contact: 05/16/2011
Data Release Frequency: Varies

LDS: Land Disposal Sites Listing

The Land Disposal program regulates of waste discharge to land for treatment, storage and disposal in waste management units.

Date of Government Version: 12/16/2010
Date Data Arrived at EDR: 12/16/2010
Date Made Active in Reports: 01/25/2011
Number of Days to Update: 40

Source: State Water Quality Control Board
Telephone: 866-480-1028
Last EDR Contact: 02/04/2011
Next Scheduled EDR Contact: 04/04/2011
Data Release Frequency: Quarterly

MCS: Military Cleanup Sites Listing

The State Water Resources Control Board and nine Regional Water Quality Control Boards partner with the Department of Defense (DoD) through the Defense and State Memorandum of Agreement (DSMOA) to oversee the investigation and remediation of water quality issues at military facilities.

Date of Government Version: 12/16/2010
Date Data Arrived at EDR: 12/16/2010
Date Made Active in Reports: 01/25/2011
Number of Days to Update: 40

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 02/04/2011
Next Scheduled EDR Contact: 04/04/2011
Data Release Frequency: Quarterly

Other Ascertainable Records

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

RCRA-NonGen: RCRA - Non Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 02/17/2010	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/19/2010	Telephone: (415) 495-8895
Date Made Active in Reports: 05/17/2010	Last EDR Contact: 01/06/2011
Number of Days to Update: 87	Next Scheduled EDR Contact: 04/18/2011
	Data Release Frequency: Varies

DOT OPS: Incident and Accident Data

Department of Transportation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 01/12/2010	Source: Department of Transportation, Office of Pipeline Safety
Date Data Arrived at EDR: 02/09/2010	Telephone: 202-366-4595
Date Made Active in Reports: 04/12/2010	Last EDR Contact: 11/09/2010
Number of Days to Update: 62	Next Scheduled EDR Contact: 02/21/2011
	Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005	Source: USGS
Date Data Arrived at EDR: 11/10/2006	Telephone: 703-692-8801
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 01/21/2011
Number of Days to Update: 62	Next Scheduled EDR Contact: 05/02/2011
	Data Release Frequency: Semi-Annually

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 12/31/2009	Source: U.S. Army Corps of Engineers
Date Data Arrived at EDR: 08/12/2010	Telephone: 202-528-4285
Date Made Active in Reports: 12/02/2010	Last EDR Contact: 12/13/2010
Number of Days to Update: 112	Next Scheduled EDR Contact: 03/28/2011
	Data Release Frequency: Varies

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 10/01/2010	Source: Department of Justice, Consent Decree Library
Date Data Arrived at EDR: 10/29/2010	Telephone: Varies
Date Made Active in Reports: 01/28/2011	Last EDR Contact: 01/03/2011
Number of Days to Update: 91	Next Scheduled EDR Contact: 04/18/2011
	Data Release Frequency: Varies

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 06/01/2010	Source: EPA
Date Data Arrived at EDR: 06/16/2010	Telephone: 703-416-0223
Date Made Active in Reports: 08/17/2010	Last EDR Contact: 02/03/2011
Number of Days to Update: 62	Next Scheduled EDR Contact: 03/28/2011
	Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 09/14/2010	Source: Department of Energy
Date Data Arrived at EDR: 10/21/2010	Telephone: 505-845-0011
Date Made Active in Reports: 01/28/2011	Last EDR Contact: 11/29/2010
Number of Days to Update: 99	Next Scheduled EDR Contact: 03/14/2011
	Data Release Frequency: Varies

MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 08/04/2010	Source: Department of Labor, Mine Safety and Health Administration
Date Data Arrived at EDR: 09/09/2010	Telephone: 303-231-5959
Date Made Active in Reports: 12/02/2010	Last EDR Contact: 09/09/2010
Number of Days to Update: 84	Next Scheduled EDR Contact: 03/21/2011
	Data Release Frequency: Semi-Annually

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2008	Source: EPA
Date Data Arrived at EDR: 01/13/2010	Telephone: 202-566-0250
Date Made Active in Reports: 02/18/2010	Last EDR Contact: 12/17/2010
Number of Days to Update: 36	Next Scheduled EDR Contact: 03/14/2011
	Data Release Frequency: Annually

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2006	Source: EPA
Date Data Arrived at EDR: 09/29/2010	Telephone: 202-260-5521
Date Made Active in Reports: 12/02/2010	Last EDR Contact: 12/29/2010
Number of Days to Update: 64	Next Scheduled EDR Contact: 04/11/2011
	Data Release Frequency: Every 4 Years

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009	Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 11/29/2010
Number of Days to Update: 25	Next Scheduled EDR Contact: 03/14/2011
	Data Release Frequency: Quarterly

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act) A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009	Source: EPA
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 11/29/2010
Number of Days to Update: 25	Next Scheduled EDR Contact: 03/14/2011
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2008
Date Data Arrived at EDR: 01/06/2010
Date Made Active in Reports: 02/10/2010
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 01/31/2011
Next Scheduled EDR Contact: 05/16/2011
Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 04/24/2010
Date Data Arrived at EDR: 04/29/2010
Date Made Active in Reports: 05/17/2010
Number of Days to Update: 18

Source: Environmental Protection Agency
Telephone: 202-564-5088
Last EDR Contact: 12/23/2010
Next Scheduled EDR Contact: 04/11/2011
Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 02/01/2010
Date Data Arrived at EDR: 04/22/2010
Date Made Active in Reports: 08/09/2010
Number of Days to Update: 109

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 01/21/2011
Next Scheduled EDR Contact: 05/02/2011
Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 03/18/2010	Source: Nuclear Regulatory Commission
Date Data Arrived at EDR: 04/06/2010	Telephone: 301-415-7169
Date Made Active in Reports: 05/27/2010	Last EDR Contact: 12/13/2010
Number of Days to Update: 51	Next Scheduled EDR Contact: 03/28/2011
	Data Release Frequency: Quarterly

RADINFO: Radiation Information Database

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 07/13/2010	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/14/2010	Telephone: 202-343-9775
Date Made Active in Reports: 08/09/2010	Last EDR Contact: 01/13/2011
Number of Days to Update: 26	Next Scheduled EDR Contact: 04/25/2011
	Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 04/14/2010	Source: EPA
Date Data Arrived at EDR: 04/16/2010	Telephone: (415) 947-8000
Date Made Active in Reports: 05/27/2010	Last EDR Contact: 12/10/2010
Number of Days to Update: 41	Next Scheduled EDR Contact: 03/28/2011
	Data Release Frequency: Quarterly

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995	Source: EPA
Date Data Arrived at EDR: 07/03/1995	Telephone: 202-564-4104
Date Made Active in Reports: 08/07/1995	Last EDR Contact: 06/02/2008
Number of Days to Update: 35	Next Scheduled EDR Contact: 09/01/2008
	Data Release Frequency: No Update Planned

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2007	Source: EPA/NTIS
Date Data Arrived at EDR: 02/25/2010	Telephone: 800-424-9346
Date Made Active in Reports: 05/12/2010	Last EDR Contact: 11/30/2010
Number of Days to Update: 76	Next Scheduled EDR Contact: 03/07/2011
	Data Release Frequency: Biennially

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CA BOND EXP. PLAN: Bond Expenditure Plan

Department of Health Services developed a site-specific expenditure plan as the basis for an appropriation of Hazardous Substance Cleanup Bond Act funds. It is not updated.

Date of Government Version: 01/01/1989
Date Data Arrived at EDR: 07/27/1994
Date Made Active in Reports: 08/02/1994
Number of Days to Update: 6

Source: Department of Health Services
Telephone: 916-255-2118
Last EDR Contact: 05/31/1994
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

WDS: Waste Discharge System

Sites which have been issued waste discharge requirements.

Date of Government Version: 06/19/2007
Date Data Arrived at EDR: 06/20/2007
Date Made Active in Reports: 06/29/2007
Number of Days to Update: 9

Source: State Water Resources Control Board
Telephone: 916-341-5227
Last EDR Contact: 11/29/2010
Next Scheduled EDR Contact: 03/14/2011
Data Release Frequency: Quarterly

NPDES: NPDES Permits Listing

A listing of NPDES permits, including stormwater.

Date of Government Version: 11/22/2010
Date Data Arrived at EDR: 11/23/2010
Date Made Active in Reports: 01/28/2011
Number of Days to Update: 66

Source: State Water Resources Control Board
Telephone: 916-445-9379
Last EDR Contact: 11/23/2010
Next Scheduled EDR Contact: 03/07/2011
Data Release Frequency: Quarterly

CORTESE: "Cortese" Hazardous Waste & Substances Sites List

The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites). This listing is no longer updated by the state agency.

Date of Government Version: 01/04/2011
Date Data Arrived at EDR: 01/05/2011
Date Made Active in Reports: 01/25/2011
Number of Days to Update: 20

Source: CAL EPA/Office of Emergency Information
Telephone: 916-323-3400
Last EDR Contact: 01/05/2011
Next Scheduled EDR Contact: 04/18/2011
Data Release Frequency: Quarterly

HIST CORTESE: Hazardous Waste & Substance Site List

The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSITES].

Date of Government Version: 04/01/2001
Date Data Arrived at EDR: 01/22/2009
Date Made Active in Reports: 04/08/2009
Number of Days to Update: 76

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/22/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

NOTIFY 65: Proposition 65 Records

Proposition 65 Notification Records. NOTIFY 65 contains facility notifications about any release which could impact drinking water and thereby expose the public to a potential health risk.

Date of Government Version: 10/21/1993
Date Data Arrived at EDR: 11/01/1993
Date Made Active in Reports: 11/19/1993
Number of Days to Update: 18

Source: State Water Resources Control Board
Telephone: 916-445-3846
Last EDR Contact: 12/22/2010
Next Scheduled EDR Contact: 04/11/2011
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

DRYCLEANERS: Cleaner Facilities

A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaner's agents; linen supply; coin-operated laundries and cleaning; drycleaning plants, except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

Date of Government Version: 09/15/2010
Date Data Arrived at EDR: 09/16/2010
Date Made Active in Reports: 09/29/2010
Number of Days to Update: 13

Source: Department of Toxic Substance Control
Telephone: 916-327-4498
Last EDR Contact: 12/13/2010
Next Scheduled EDR Contact: 03/28/2011
Data Release Frequency: Annually

WIP: Well Investigation Program Case List

Well Investigation Program case in the San Gabriel and San Fernando Valley area.

Date of Government Version: 07/03/2009
Date Data Arrived at EDR: 07/21/2009
Date Made Active in Reports: 08/03/2009
Number of Days to Update: 13

Source: Los Angeles Water Quality Control Board
Telephone: 213-576-6726
Last EDR Contact: 01/03/2011
Next Scheduled EDR Contact: 04/18/2011
Data Release Frequency: Varies

HAZNET: Facility and Manifest Data

Facility and Manifest Data. The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000 - 1,000,000 annually, representing approximately 350,000 - 500,000 shipments. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, and disposal method.

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 07/07/2010
Date Made Active in Reports: 08/12/2010
Number of Days to Update: 36

Source: California Environmental Protection Agency
Telephone: 916-255-1136
Last EDR Contact: 01/19/2011
Next Scheduled EDR Contact: 05/02/2011
Data Release Frequency: Annually

EMI: Emissions Inventory Data

Toxics and criteria pollutant emissions data collected by the ARB and local air pollution agencies.

Date of Government Version: 12/31/2008
Date Data Arrived at EDR: 09/29/2010
Date Made Active in Reports: 10/18/2010
Number of Days to Update: 19

Source: California Air Resources Board
Telephone: 916-322-2990
Last EDR Contact: 12/30/2010
Next Scheduled EDR Contact: 04/11/2011
Data Release Frequency: Varies

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 12/08/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 34

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 01/21/2011
Next Scheduled EDR Contact: 05/02/2011
Data Release Frequency: Semi-Annually

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 08/31/2010
Date Data Arrived at EDR: 09/01/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 92

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 02/07/2011
Next Scheduled EDR Contact: 05/09/2011
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

PROC: Certified Processors Database

A listing of certified processors.

Date of Government Version: 11/17/2010

Date Data Arrived at EDR: 12/23/2010

Date Made Active in Reports: 01/28/2011

Number of Days to Update: 36

Source: Department of Conservation

Telephone: 916-323-3836

Last EDR Contact: 12/23/2010

Next Scheduled EDR Contact: 04/04/2011

Data Release Frequency: Quarterly

MWMP: Medical Waste Management Program Listing

The Medical Waste Management Program (MWMP) ensures the proper handling and disposal of medical waste by permitting and inspecting medical waste Offsite Treatment Facilities (PDF) and Transfer Stations (PDF) throughout the state. MWMP also oversees all Medical Waste Transporters.

Date of Government Version: 12/09/2010

Date Data Arrived at EDR: 12/17/2010

Date Made Active in Reports: 01/25/2011

Number of Days to Update: 39

Source: Department of Public Health

Telephone: 916-558-1784

Last EDR Contact: 12/14/2010

Next Scheduled EDR Contact: 03/28/2011

Data Release Frequency: Varies

COAL ASH DOE: Sleam-Electric Plan Operation Data

A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005

Date Data Arrived at EDR: 08/07/2009

Date Made Active in Reports: 10/22/2009

Number of Days to Update: 76

Source: Department of Energy

Telephone: 202-586-8719

Last EDR Contact: 01/18/2011

Next Scheduled EDR Contact: 05/02/2011

Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 11/09/2009

Date Data Arrived at EDR: 12/18/2009

Date Made Active in Reports: 02/10/2010

Number of Days to Update: 54

Source: Environmental Protection Agency

Telephone: N/A

Last EDR Contact: 12/21/2010

Next Scheduled EDR Contact: 03/28/2011

Data Release Frequency: Varies

HWT: Registered Hazardous Waste Transporter Database

A listing of hazardous waste transporters. In California, unless specifically exempted, it is unlawful for any person to transport hazardous wastes unless the person holds a valid registration issued by DTSC. A hazardous waste transporter registration is valid for one year and is assigned a unique registration number.

Date of Government Version: 01/17/2011

Date Data Arrived at EDR: 01/18/2011

Date Made Active in Reports: 01/28/2011

Number of Days to Update: 10

Source: Department of Toxic Substances Control

Telephone: 916-440-7145

Last EDR Contact: 01/18/2011

Next Scheduled EDR Contact: 05/02/2011

Data Release Frequency: Quarterly

HWP: EnviroStor Permitted Facilities Listing

Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

Date of Government Version: 08/09/2010

Date Data Arrived at EDR: 08/11/2010

Date Made Active in Reports: 08/20/2010

Number of Days to Update: 9

Source: Department of Toxic Substances Control

Telephone: 916-323-3400

Last EDR Contact: 12/10/2010

Next Scheduled EDR Contact: 02/21/2011

Data Release Frequency: Quarterly

FINANCIAL ASSURANCE 2: Financial Assurance Information Listing

A listing of financial assurance information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 09/27/2010
Date Data Arrived at EDR: 09/28/2010
Date Made Active in Reports: 10/18/2010
Number of Days to Update: 20

Source: California Integrated Waste Management Board
Telephone: 916-341-6066
Last EDR Contact: 01/10/2011
Next Scheduled EDR Contact: 03/07/2011
Data Release Frequency: Varies

FINANCIAL ASSURANCE: Financial Assurance Information Listing

Financial Assurance information

Date of Government Version: 03/01/2007
Date Data Arrived at EDR: 06/01/2007
Date Made Active in Reports: 06/29/2007
Number of Days to Update: 28

Source: Department of Toxic Substances Control
Telephone: 916-255-3628
Last EDR Contact: 02/04/2011
Next Scheduled EDR Contact: 05/16/2011
Data Release Frequency: Varies

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 02/06/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 339

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 01/21/2011
Next Scheduled EDR Contact: 05/02/2011
Data Release Frequency: N/A

PCB TRANSFORMER: PCB Transformer Registration Database

The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 01/01/2008
Date Data Arrived at EDR: 02/18/2009
Date Made Active in Reports: 05/29/2009
Number of Days to Update: 100

Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 02/04/2011
Next Scheduled EDR Contact: 05/16/2011
Data Release Frequency: Varies

EDR PROPRIETARY RECORDS

EDR Proprietary Records

Manufactured Gas Plants: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR Historical Auto Stations: EDR Proprietary Historic Gas Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR Historical Cleaners: EDR Proprietary Historic Dry Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

COUNTY RECORDS

ALAMEDA COUNTY:

Contaminated Sites

A listing of contaminated sites overseen by the Toxic Release Program (oil and groundwater contamination from chemical releases and spills) and the Leaking Underground Storage Tank Program (soil and ground water contamination from leaking petroleum USTs).

Date of Government Version: 01/06/2011
Date Data Arrived at EDR: 01/07/2011
Date Made Active in Reports: 01/25/2011
Number of Days to Update: 18

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 01/03/2011
Next Scheduled EDR Contact: 04/18/2011
Data Release Frequency: Semi-Annually

Underground Tanks

Underground storage tank sites located in Alameda county.

Date of Government Version: 01/06/2011
Date Data Arrived at EDR: 01/07/2011
Date Made Active in Reports: 01/20/2011
Number of Days to Update: 13

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 01/03/2011
Next Scheduled EDR Contact: 04/18/2011
Data Release Frequency: Semi-Annually

CONTRA COSTA COUNTY:

Site List

List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.

Date of Government Version: 11/22/2010
Date Data Arrived at EDR: 11/23/2010
Date Made Active in Reports: 01/25/2011
Number of Days to Update: 63

Source: Contra Costa Health Services Department
Telephone: 925-646-2286
Last EDR Contact: 02/07/2011
Next Scheduled EDR Contact: 05/23/2011
Data Release Frequency: Semi-Annually

FRESNO COUNTY:

CUPA Resources List

Certified Unified Program Agency. CUPA's are responsible for implementing a unified hazardous materials and hazardous waste management regulatory program. The agency provides oversight of businesses that deal with hazardous materials, operate underground storage tanks or aboveground storage tanks.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 01/14/2011
Date Data Arrived at EDR: 01/18/2011
Date Made Active in Reports: 01/28/2011
Number of Days to Update: 10

Source: Dept. of Community Health
Telephone: 559-445-3271
Last EDR Contact: 01/17/2011
Next Scheduled EDR Contact: 05/02/2011
Data Release Frequency: Semi-Annually

KERN COUNTY:

Underground Storage Tank Sites & Tank Listing Kern County Sites and Tanks Listing.

Date of Government Version: 08/31/2010
Date Data Arrived at EDR: 09/01/2010
Date Made Active in Reports: 09/30/2010
Number of Days to Update: 29

Source: Kern County Environment Health Services Department
Telephone: 661-862-8700
Last EDR Contact: 11/22/2010
Next Scheduled EDR Contact: 02/28/2011
Data Release Frequency: Quarterly

LOS ANGELES COUNTY:

San Gabriel Valley Areas of Concern

San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office.

Date of Government Version: 03/30/2009
Date Data Arrived at EDR: 03/31/2009
Date Made Active in Reports: 10/23/2009
Number of Days to Update: 206

Source: EPA Region 9
Telephone: 415-972-3178
Last EDR Contact: 12/22/2010
Next Scheduled EDR Contact: 04/11/2011
Data Release Frequency: No Update Planned

HMS: Street Number List

Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 10/28/2010
Date Data Arrived at EDR: 12/14/2010
Date Made Active in Reports: 01/25/2011
Number of Days to Update: 42

Source: Department of Public Works
Telephone: 626-458-3517
Last EDR Contact: 01/17/2011
Next Scheduled EDR Contact: 05/02/2011
Data Release Frequency: Semi-Annually

List of Solid Waste Facilities

Solid Waste Facilities in Los Angeles County.

Date of Government Version: 10/25/2010
Date Data Arrived at EDR: 10/27/2010
Date Made Active in Reports: 11/17/2010
Number of Days to Update: 21

Source: La County Department of Public Works
Telephone: 818-458-5185
Last EDR Contact: 01/24/2011
Next Scheduled EDR Contact: 05/09/2011
Data Release Frequency: Varies

City of Los Angeles Landfills

Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 03/05/2009
Date Data Arrived at EDR: 03/10/2009
Date Made Active in Reports: 04/08/2009
Number of Days to Update: 29

Source: Engineering & Construction Division
Telephone: 213-473-7869
Last EDR Contact: 11/22/2010
Next Scheduled EDR Contact: 03/07/2011
Data Release Frequency: Varies

Site Mitigation List

Industrial sites that have had some sort of spill or complaint.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 02/09/2010
Date Data Arrived at EDR: 02/12/2010
Date Made Active in Reports: 03/04/2010
Number of Days to Update: 20

Source: Community Health Services
Telephone: 323-890-7806
Last EDR Contact: 10/25/2010
Next Scheduled EDR Contact: 05/09/2011
Data Release Frequency: Annually

City of El Segundo Underground Storage Tank
Underground storage tank sites located in El Segundo city.

Date of Government Version: 10/26/2010
Date Data Arrived at EDR: 11/01/2010
Date Made Active in Reports: 11/18/2010
Number of Days to Update: 17

Source: City of El Segundo Fire Department
Telephone: 310-524-2236
Last EDR Contact: 01/24/2011
Next Scheduled EDR Contact: 05/06/2011
Data Release Frequency: Semi-Annually

City of Long Beach Underground Storage Tank
Underground storage tank sites located in the city of Long Beach.

Date of Government Version: 03/28/2003
Date Data Arrived at EDR: 10/23/2003
Date Made Active in Reports: 11/26/2003
Number of Days to Update: 34

Source: City of Long Beach Fire Department
Telephone: 562-570-2563
Last EDR Contact: 01/31/2011
Next Scheduled EDR Contact: 05/16/2011
Data Release Frequency: Annually

City of Torrance Underground Storage Tank
Underground storage tank sites located in the city of Torrance.

Date of Government Version: 10/22/2010
Date Data Arrived at EDR: 10/27/2010
Date Made Active in Reports: 11/18/2010
Number of Days to Update: 22

Source: City of Torrance Fire Department
Telephone: 310-618-2973
Last EDR Contact: 01/17/2011
Next Scheduled EDR Contact: 05/02/2011
Data Release Frequency: Semi-Annually

MARIN COUNTY:

Underground Storage Tank Sites
Currently permitted USTs in Marin County.

Date of Government Version: 10/28/2010
Date Data Arrived at EDR: 11/16/2010
Date Made Active in Reports: 11/18/2010
Number of Days to Update: 2

Source: Public Works Department Waste Management
Telephone: 415-499-6647
Last EDR Contact: 01/10/2011
Next Scheduled EDR Contact: 04/25/2011
Data Release Frequency: Semi-Annually

NAPA COUNTY:

Sites With Reported Contamination
A listing of leaking underground storage tank sites located in Napa county.

Date of Government Version: 07/09/2008
Date Data Arrived at EDR: 07/09/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 22

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 12/06/2010
Next Scheduled EDR Contact: 03/21/2011
Data Release Frequency: No Update Planned

Closed and Operating Underground Storage Tank Sites
Underground storage tank sites located in Napa county.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 01/15/2008
Date Data Arrived at EDR: 01/16/2008
Date Made Active in Reports: 02/08/2008
Number of Days to Update: 23

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 12/06/2010
Next Scheduled EDR Contact: 03/21/2011
Data Release Frequency: No Update Planned

ORANGE COUNTY:

List of Industrial Site Cleanups

Petroleum and non-petroleum spills.

Date of Government Version: 11/03/2010
Date Data Arrived at EDR: 11/19/2010
Date Made Active in Reports: 01/28/2011
Number of Days to Update: 70

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 11/16/2010
Next Scheduled EDR Contact: 02/28/2011
Data Release Frequency: Annually

List of Underground Storage Tank Cleanups

Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 11/03/2010
Date Data Arrived at EDR: 11/19/2010
Date Made Active in Reports: 01/28/2011
Number of Days to Update: 70

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 11/16/2010
Next Scheduled EDR Contact: 02/28/2011
Data Release Frequency: Quarterly

List of Underground Storage Tank Facilities

Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 11/03/2010
Date Data Arrived at EDR: 11/19/2010
Date Made Active in Reports: 01/20/2011
Number of Days to Update: 62

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 11/16/2010
Next Scheduled EDR Contact: 02/28/2011
Data Release Frequency: Quarterly

PLACER COUNTY:

Master List of Facilities

List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 09/13/2010
Date Data Arrived at EDR: 09/14/2010
Date Made Active in Reports: 09/29/2010
Number of Days to Update: 15

Source: Placer County Health and Human Services
Telephone: 530-889-7312
Last EDR Contact: 12/13/2010
Next Scheduled EDR Contact: 03/28/2011
Data Release Frequency: Semi-Annually

RIVERSIDE COUNTY:

Listing of Underground Tank Cleanup Sites

Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 12/08/2010
Date Data Arrived at EDR: 12/09/2010
Date Made Active in Reports: 01/28/2011
Number of Days to Update: 50

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 12/09/2010
Next Scheduled EDR Contact: 04/11/2011
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Underground Storage Tank List

Underground storage tank sites located in Riverside county.

Date of Government Version: 12/08/2010
Date Data Arrived at EDR: 12/09/2010
Date Made Active in Reports: 01/20/2011
Number of Days to Update: 42

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 12/09/2010
Next Scheduled EDR Contact: 04/11/2011
Data Release Frequency: Quarterly

SACRAMENTO COUNTY:

Toxic Site Clean-Up List

List of sites where unauthorized releases of potentially hazardous materials have occurred.

Date of Government Version: 11/03/2010
Date Data Arrived at EDR: 01/20/2011
Date Made Active in Reports: 01/28/2011
Number of Days to Update: 8

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 01/10/2011
Next Scheduled EDR Contact: 04/25/2011
Data Release Frequency: Quarterly

Master Hazardous Materials Facility List

Any business that has hazardous materials on site - hazardous material storage sites, underground storage tanks, waste generators.

Date of Government Version: 11/03/2010
Date Data Arrived at EDR: 01/20/2011
Date Made Active in Reports: 01/28/2011
Number of Days to Update: 8

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 01/10/2011
Next Scheduled EDR Contact: 04/25/2011
Data Release Frequency: Quarterly

SAN BERNARDINO COUNTY:

Hazardous Material Permits

This listing includes underground storage tanks, medical waste handlers/generators, hazardous materials handlers, hazardous waste generators, and waste oil generators/handlers.

Date of Government Version: 12/08/2010
Date Data Arrived at EDR: 12/09/2010
Date Made Active in Reports: 01/28/2011
Number of Days to Update: 50

Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041
Last EDR Contact: 11/22/2010
Next Scheduled EDR Contact: 02/28/2011
Data Release Frequency: Quarterly

SAN DIEGO COUNTY:

Hazardous Materials Management Division Database

The database includes: HE58 - This report contains the business name, site address, business phone number, establishment 'H' permit number, type of permit, and the business status. HE17 - In addition to providing the same information provided in the HE58 listing, HE17 provides inspection dates, violations received by the establishment, hazardous waste generated, the quantity, method of storage, treatment/disposal of waste and the hauler, and information on underground storage tanks. Unauthorized Release List - Includes a summary of environmental contamination cases in San Diego County (underground tank cases, non-tank cases, groundwater contamination, and soil contamination are included.)

Date of Government Version: 09/09/2010
Date Data Arrived at EDR: 09/15/2010
Date Made Active in Reports: 09/29/2010
Number of Days to Update: 14

Source: Hazardous Materials Management Division
Telephone: 619-338-2268
Last EDR Contact: 12/21/2010
Next Scheduled EDR Contact: 03/28/2011
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Solid Waste Facilities

San Diego County Solid Waste Facilities.

Date of Government Version: 10/01/2010
Date Data Arrived at EDR: 11/16/2010
Date Made Active in Reports: 01/25/2011
Number of Days to Update: 70

Source: Department of Health Services
Telephone: 619-338-2209
Last EDR Contact: 01/31/2011
Next Scheduled EDR Contact: 05/16/2011
Data Release Frequency: Varies

Environmental Case Listing

The listing contains all underground tank release cases and projects pertaining to properties contaminated with hazardous substances that are actively under review by the Site Assessment and Mitigation Program.

Date of Government Version: 03/23/2010
Date Data Arrived at EDR: 06/15/2010
Date Made Active in Reports: 07/09/2010
Number of Days to Update: 24

Source: San Diego County Department of Environmental Health
Telephone: 619-338-2371
Last EDR Contact: 12/21/2010
Next Scheduled EDR Contact: 03/28/2011
Data Release Frequency: No Update Planned

SAN FRANCISCO COUNTY:

Local Oversight Facilities

A listing of leaking underground storage tank sites located in San Francisco county.

Date of Government Version: 09/19/2008
Date Data Arrived at EDR: 09/19/2008
Date Made Active in Reports: 09/29/2008
Number of Days to Update: 10

Source: Department Of Public Health San Francisco County
Telephone: 415-252-3920
Last EDR Contact: 11/22/2010
Next Scheduled EDR Contact: 02/28/2011
Data Release Frequency: Quarterly

Underground Storage Tank Information

Underground storage tank sites located in San Francisco county.

Date of Government Version: 11/29/2010
Date Data Arrived at EDR: 12/14/2010
Date Made Active in Reports: 01/20/2011
Number of Days to Update: 37

Source: Department of Public Health
Telephone: 415-252-3920
Last EDR Contact: 11/29/2010
Next Scheduled EDR Contact: 02/28/2011
Data Release Frequency: Quarterly

SAN JOAQUIN COUNTY:

San Joaquin Co. UST

A listing of underground storage tank locations in San Joaquin county.

Date of Government Version: 12/29/2010
Date Data Arrived at EDR: 01/04/2011
Date Made Active in Reports: 01/20/2011
Number of Days to Update: 16

Source: Environmental Health Department
Telephone: N/A
Last EDR Contact: 12/23/2010
Next Scheduled EDR Contact: 04/11/2011
Data Release Frequency: Semi-Annually

SAN MATEO COUNTY:

Business Inventory

List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 11/22/2010
Date Data Arrived at EDR: 11/23/2010
Date Made Active in Reports: 01/28/2011
Number of Days to Update: 66

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 01/24/2011
Next Scheduled EDR Contact: 04/04/2011
Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Fuel Leak List

A listing of leaking underground storage tank sites located in San Mateo county.

Date of Government Version: 12/17/2010
Date Data Arrived at EDR: 12/20/2010
Date Made Active in Reports: 01/28/2011
Number of Days to Update: 39

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 12/17/2010
Next Scheduled EDR Contact: 04/04/2011
Data Release Frequency: Semi-Annually

SANTA CLARA COUNTY:

HIST LUST - Fuel Leak Site Activity Report

A listing of open and closed leaking underground storage tanks. This listing is no longer updated by the county.
Leaking underground storage tanks are now handled by the Department of Environmental Health.

Date of Government Version: 03/29/2005
Date Data Arrived at EDR: 03/30/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 22

Source: Santa Clara Valley Water District
Telephone: 408-265-2600
Last EDR Contact: 03/23/2009
Next Scheduled EDR Contact: 06/22/2009
Data Release Frequency: No Update Planned

LOP Listing

A listing of leaking underground storage tanks located in Santa Clara county.

Date of Government Version: 05/29/2009
Date Data Arrived at EDR: 06/01/2009
Date Made Active in Reports: 06/15/2009
Number of Days to Update: 14

Source: Department of Environmental Health
Telephone: 408-918-3417
Last EDR Contact: 12/06/2010
Next Scheduled EDR Contact: 03/21/2011
Data Release Frequency: Annually

Hazardous Material Facilities

Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 08/31/2009
Date Data Arrived at EDR: 08/31/2009
Date Made Active in Reports: 09/18/2009
Number of Days to Update: 18

Source: City of San Jose Fire Department
Telephone: 408-535-7694
Last EDR Contact: 12/13/2010
Next Scheduled EDR Contact: 02/28/2011
Data Release Frequency: Annually

SOLANO COUNTY:

Leaking Underground Storage Tanks

A listing of leaking underground storage tank sites located in Solano county.

Date of Government Version: 12/08/2010
Date Data Arrived at EDR: 12/17/2010
Date Made Active in Reports: 01/28/2011
Number of Days to Update: 42

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 12/06/2010
Next Scheduled EDR Contact: 03/21/2011
Data Release Frequency: Quarterly

Underground Storage Tanks

Underground storage tank sites located in Solano county.

Date of Government Version: 12/08/2010
Date Data Arrived at EDR: 12/29/2010
Date Made Active in Reports: 01/20/2011
Number of Days to Update: 22

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 12/06/2010
Next Scheduled EDR Contact: 03/21/2011
Data Release Frequency: Quarterly

SONOMA COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Leaking Underground Storage Tank Sites

A listing of leaking underground storage tank sites located in Sonoma county.

Date of Government Version: 01/05/2011	Source: Department of Health Services
Date Data Arrived at EDR: 01/07/2011	Telephone: 707-565-6565
Date Made Active in Reports: 01/28/2011	Last EDR Contact: 01/03/2011
Number of Days to Update: 21	Next Scheduled EDR Contact: 04/18/2011
	Data Release Frequency: Quarterly

SUTTER COUNTY:

Underground Storage Tanks

Underground storage tank sites located in Sutter county.

Date of Government Version: 12/13/2010	Source: Sutter County Department of Agriculture
Date Data Arrived at EDR: 12/14/2010	Telephone: 530-822-7500
Date Made Active in Reports: 01/20/2011	Last EDR Contact: 12/13/2010
Number of Days to Update: 37	Next Scheduled EDR Contact: 03/28/2011
	Data Release Frequency: Semi-Annually

VENTURA COUNTY:

Business Plan, Hazardous Waste Producers, and Operating Underground Tanks

The BWT list indicates by site address whether the Environmental Health Division has Business Plan (B), Waste Producer (W), and/or Underground Tank (T) information.

Date of Government Version: 10/26/2010	Source: Ventura County Environmental Health Division
Date Data Arrived at EDR: 11/30/2010	Telephone: 805-654-2813
Date Made Active in Reports: 01/28/2011	Last EDR Contact: 11/22/2010
Number of Days to Update: 59	Next Scheduled EDR Contact: 03/07/2011
	Data Release Frequency: Quarterly

Inventory of Illegal Abandoned and Inactive Sites

Ventura County Inventory of Closed, Illegal Abandoned, and Inactive Sites.

Date of Government Version: 08/01/2009	Source: Environmental Health Division
Date Data Arrived at EDR: 10/05/2009	Telephone: 805-654-2813
Date Made Active in Reports: 10/13/2009	Last EDR Contact: 01/10/2011
Number of Days to Update: 8	Next Scheduled EDR Contact: 04/25/2011
	Data Release Frequency: Annually

Listing of Underground Tank Cleanup Sites

Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 05/29/2008	Source: Environmental Health Division
Date Data Arrived at EDR: 06/24/2008	Telephone: 805-654-2813
Date Made Active in Reports: 07/31/2008	Last EDR Contact: 11/22/2010
Number of Days to Update: 37	Next Scheduled EDR Contact: 03/07/2011
	Data Release Frequency: Quarterly

Underground Tank Closed Sites List

Ventura County Operating Underground Storage Tank Sites (UST)/Underground Tank Closed Sites List.

Date of Government Version: 11/29/2010	Source: Environmental Health Division
Date Data Arrived at EDR: 12/20/2010	Telephone: 805-654-2813
Date Made Active in Reports: 01/20/2011	Last EDR Contact: 12/20/2010
Number of Days to Update: 31	Next Scheduled EDR Contact: 04/04/2011
	Data Release Frequency: Quarterly

YOLO COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Underground Storage Tank Comprehensive Facility Report
Underground storage tank sites located in Yolo county.

Date of Government Version: 10/05/2010
Date Data Arrived at EDR: 10/15/2010
Date Made Active in Reports: 11/18/2010
Number of Days to Update: 34

Source: Yolo County Department of Health
Telephone: 530-666-8646
Last EDR Contact: 01/10/2011
Next Scheduled EDR Contact: 04/11/2011
Data Release Frequency: Annually

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 12/31/2007
Date Data Arrived at EDR: 08/26/2009
Date Made Active in Reports: 09/11/2009
Number of Days to Update: 16

Source: Department of Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 12/01/2010
Next Scheduled EDR Contact: 03/07/2011
Data Release Frequency: Annually

NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 07/22/2010
Date Made Active in Reports: 08/26/2010
Number of Days to Update: 35

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 01/21/2011
Next Scheduled EDR Contact: 05/02/2011
Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 10/28/2010
Date Data Arrived at EDR: 11/09/2010
Date Made Active in Reports: 12/17/2010
Number of Days to Update: 38

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 11/09/2010
Next Scheduled EDR Contact: 02/21/2011
Data Release Frequency: Annually

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2008
Date Data Arrived at EDR: 12/01/2009
Date Made Active in Reports: 12/14/2009
Number of Days to Update: 13

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 11/22/2010
Next Scheduled EDR Contact: 03/07/2011
Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 07/19/2010
Date Made Active in Reports: 08/26/2010
Number of Days to Update: 38

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 11/29/2010
Next Scheduled EDR Contact: 03/14/2011
Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2009

Date Data Arrived at EDR: 07/06/2010

Date Made Active in Reports: 07/26/2010

Number of Days to Update: 20

Source: Department of Natural Resources

Telephone: N/A

Last EDR Contact: 12/16/2010

Next Scheduled EDR Contact: 04/04/2011

Data Release Frequency: Annually

Oil/Gas Pipelines: This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines.

Electric Power Transmission Line Data

Source: Rextag Strategies Corp.

Telephone: (281) 769-2247

U.S. Electric Transmission and Power Plants Systems Digital GIS Data

Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:

Source: American Hospital Association, Inc.

Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services

Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes

Source: National Institutes of Health

Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Licensed Facilities

Source: Department of Social Services

Telephone: 916-657-4041

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2009 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

Scanned Digital USGS 7.5' Topographic Map (DRG)

Source: United States Geologic Survey

A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

STREET AND ADDRESS INFORMATION

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GEOCHECK[®] - PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

BERNARDS/SAN FERNANDO HS TEEN HEALTH CTR
11133 O MELVENY AVENUE
SAN FERNANDO, CA 91340

TARGET PROPERTY COORDINATES

Latitude (North):	34.27020 - 34° 16' 12.7"
Longitude (West):	118.4416 - 118° 26' 29.7"
Universal Transverse Mercator:	Zone 11
UTM X (Meters):	367286.2
UTM Y (Meters):	3792860.8
Elevation:	1001 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	34118-C4 SAN FERNANDO, CA
Most Recent Revision:	1988

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

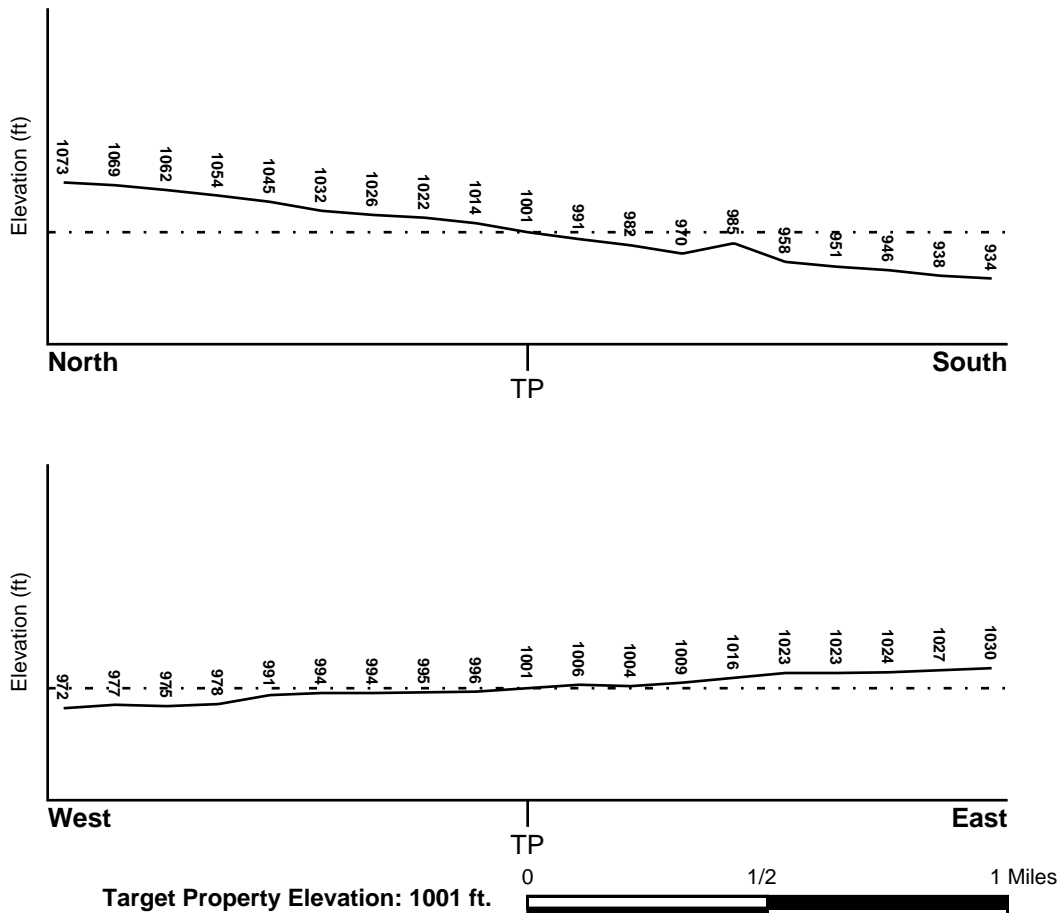
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General SSW

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Target Property County
LOS ANGELES, CA

FEMA Flood
Electronic Data
YES - refer to the Overview Map and Detail Map

Flood Plain Panel at Target Property: 06037C - FEMA DFIRM Flood data

Additional Panels in search area: Not Reported

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property
NOT AVAILABLE

NWI Electronic
Data Coverage
YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data:*

Search Radius: 1.25 miles
Status: Not found

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

<u>MAP ID</u>	<u>LOCATION FROM TP</u>	<u>GENERAL DIRECTION GROUNDWATER FLOW</u>
Not Reported		

* ©1996 Site-specific hydrogeological data gathered by CERCLIS Alerts, Inc., Bainbridge Island, WA. All rights reserved. All of the information and opinions presented are those of the cited EPA report(s), which were completed under a Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) investigation.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

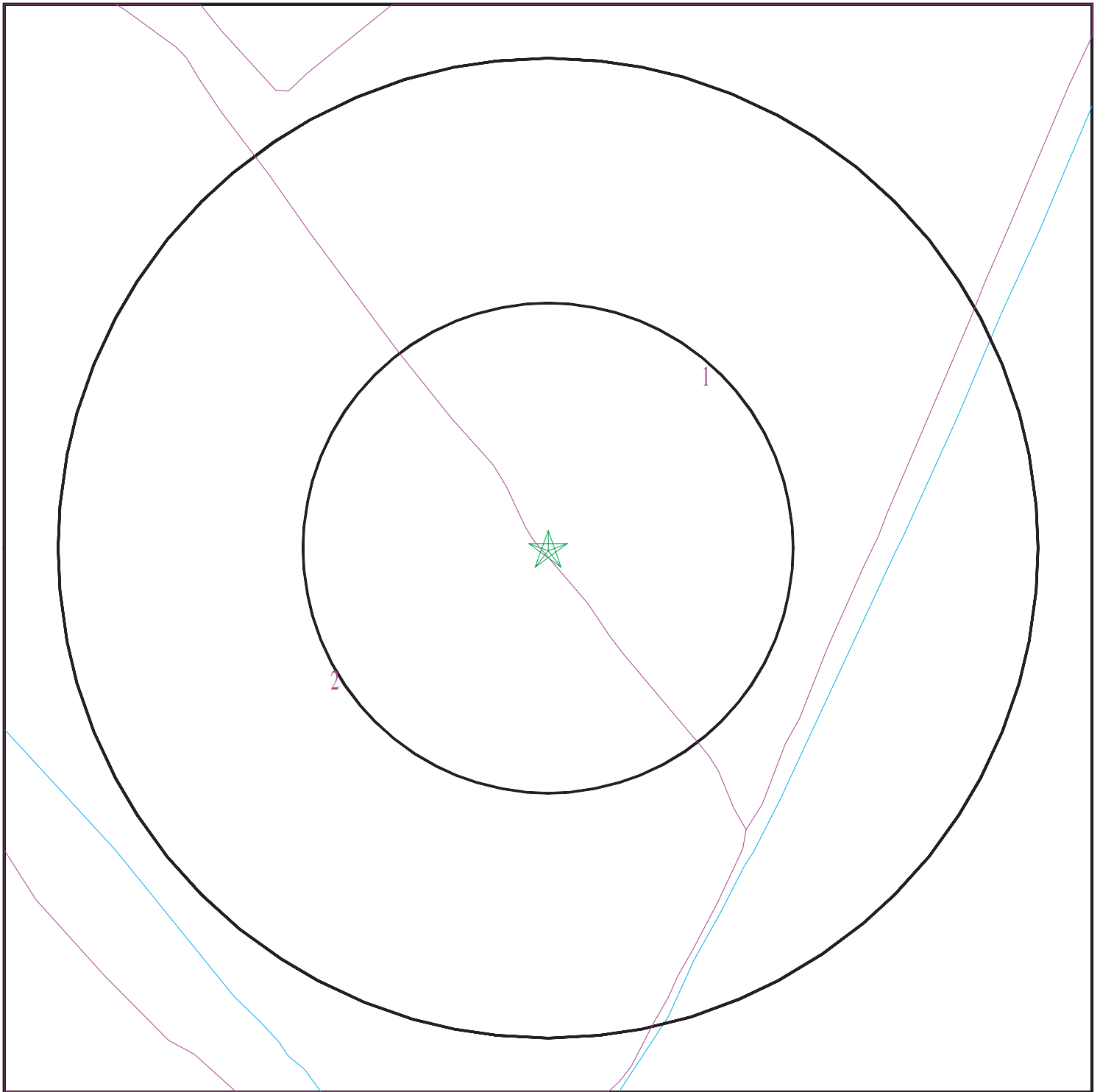
Era:	Cenozoic
System:	Quaternary
Series:	Quaternary
Code:	Q (decoded above as Era, System & Series)

GEOLOGIC AGE IDENTIFICATION

Category: Stratified Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

SSURGO SOIL MAP - 2985452.2s



- ★ Target Property
- ∨ SSURGO Soil
- ∨ Water



SITE NAME: Bernards/San Fernando HS Teen Health Ctr
ADDRESS: 11133 O Melveny Avenue
San Fernando CA 91340
LAT/LONG: 34.2702 / 118.4416

CLIENT: Converse Consultants
CONTACT: Lisa Waldez
INQUIRY #: 2985452.2s
DATE: February 07, 2011 4:26 pm

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

Soil Map ID: 1

Soil Component Name: Capistrano

Soil Surface Texture: fine sandy loam

Hydrologic Group: Not reported

Soil Drainage Class:
Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	40 inches	fine sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 8.4 Min: 6.6
2	40 inches	72 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 8.4 Min: 6.6

Soil Map ID: 2

Soil Component Name: Danville

Soil Surface Texture: silty clay loam

Hydrologic Group: Not reported

Soil Drainage Class:

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	24 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 4 Min: 1.4	Max: 8.4 Min: 7.9
2	24 inches	50 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 4 Min: 1.4	Max: 8.4 Min: 7.9
3	50 inches	59 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 4 Min: 1.4	Max: 8.4 Min: 7.9

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

<u>DATABASE</u>	<u>SEARCH DISTANCE (miles)</u>
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No Wells Found		

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	CA1900997	1/2 - 1 Mile North

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

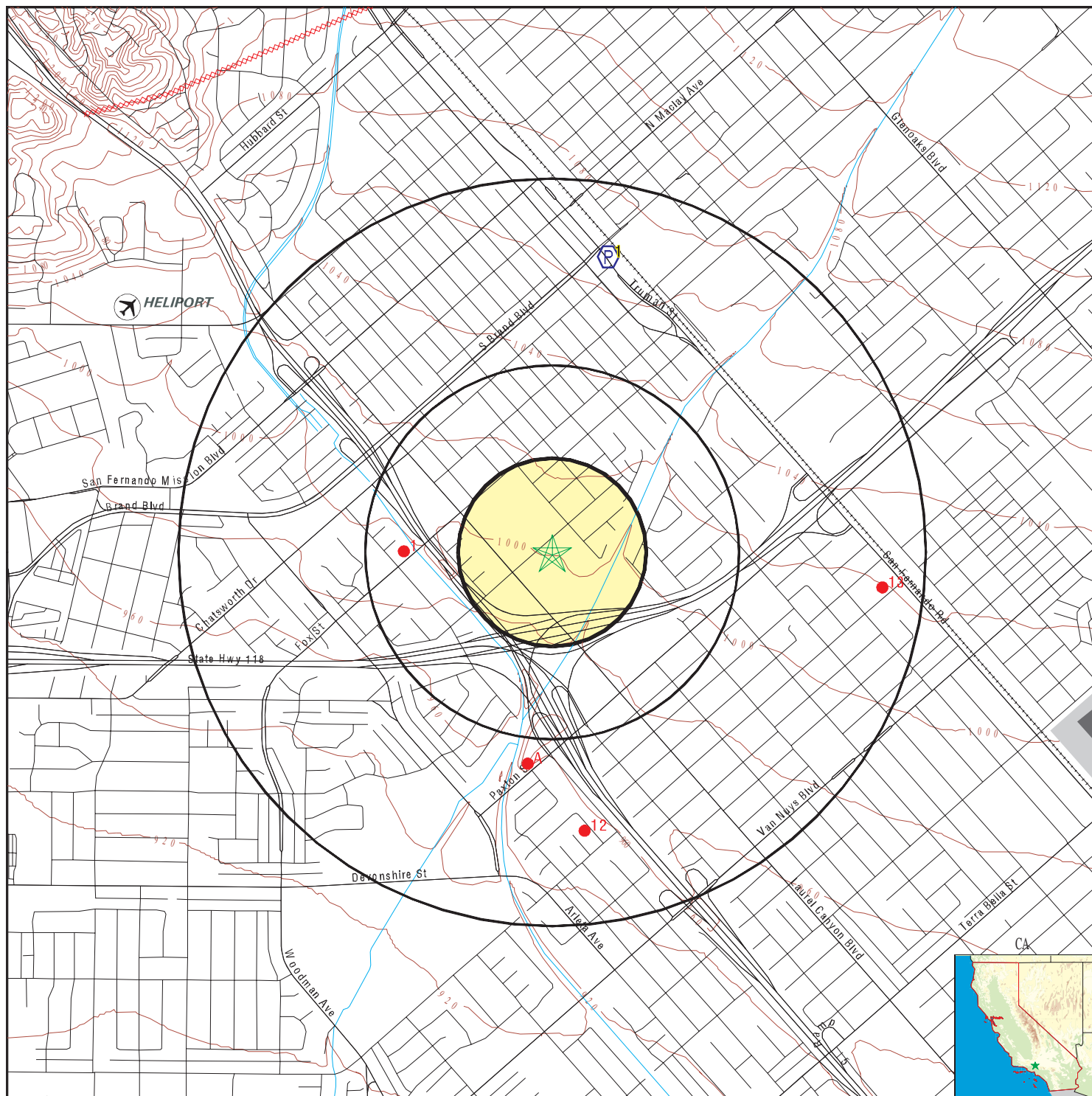
MAP ID	WELL ID	LOCATION FROM TP
No Wells Found		

OTHER STATE DATABASE INFORMATION

STATE OIL/GAS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	CAOG60000035882	1/4 - 1/2 Mile West
A2	CAOG60000035858	1/2 - 1 Mile South
A3	CAOG60000035856	1/2 - 1 Mile South
A4	CAOG60000035857	1/2 - 1 Mile South
A5	CAOG60000035855	1/2 - 1 Mile South
A6	CAOG60000035854	1/2 - 1 Mile South
A7	CAOG60000035853	1/2 - 1 Mile South
A8	CAOG60000035852	1/2 - 1 Mile South
A9	CAOG60000035851	1/2 - 1 Mile South
A10	CAOG60000035850	1/2 - 1 Mile South
A11	CAOG60000035849	1/2 - 1 Mile South
12	CAOG60000035841	1/2 - 1 Mile South
13	CAOG60000035878	1/2 - 1 Mile East

PHYSICAL SETTING SOURCE MAP - 2985452.2s



- County Boundary
- Major Roads
- Contour Lines
- Earthquake Fault Lines
- Airports
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons

- Groundwater Flow Direction
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location
- Closest Hydrogeological Data
- Oil, gas or related wells

SITE NAME: Bernards/San Fernando HS Teen Health Ctr
 ADDRESS: 11133 O Melveny Avenue
 San Fernando CA 91340
 LAT/LONG: 34.2702 / 118.4416

CLIENT: Converse Consultants
 CONTACT: Lisa Waldez
 INQUIRY #: 2985452.2s
 DATE: February 07, 2011 4:26 pm

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

1
North
1/2 - 1 Mile
Higher

FRDS PWS CA1900997

PWS ID: CA1900997
Date Initiated: 7706 Date Deactivated: Not Reported
PWS Name: LITTLE TUJUNGA GUARD STATION
LITTLE TUJUNGA GUARD STATION
12375 LITTLE TUJUNGA
SAN FERNANDO, CA 94234

Addressee / Facility: System Owner/Responsible Party
LITTLE TUJUNGA GUARD STATION
12375 LITTLE TUJUNGA
SAN FERNANDO, CA 94234

Facility Latitude: 34 16 54 Facility Longitude: 118 26 17
City Served: Not Reported
Treatment Class: Untreated Population: 00000025

Violations information not reported.

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

1

West

1/4 - 1/2 Mile

OIL_GAS

CAOG60000035882

Apinumber:	03720519	Operator:	Occidental Petroleum Corp
Lease:	Pacoima EH	Well no:	1
Field:	Any Field	Caog m2 area:	Any Area
Map:	W1-2	Status cod:	006
Source:	hud		
Latitude27:	34.270237		
Longitude2:	-118.447618		
Latitude83:	34.270239193		
Longitude8:	-118.448534697		
Td:	9290		
Sec:	10		
Twn:	02N	Rge:	15W
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	04/23/1968
Abanddate:	07/02/1968	Comments 1:	Not Reported
District:	2	Site id:	CAOG60000035882

A2

South

1/2 - 1 Mile

OIL_GAS

CAOG60000035858

Apinumber:	03722942	Operator:	Plains Expl. & Prod. Co.
Lease:	Pacoima	Well no:	13
Field:	Pacoima	Caog m2 area:	Any Area
Map:	W1-2	Status cod:	017
Source:	gps		
Latitude27:	34.262048496		
Longitude2:	-118.441776863		
Latitude83:	34.262051023		
Longitude8:	-118.442693394		
Td:	0		
Sec:	15		
Twn:	02N	Rge:	15W
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	07/01/1911
Abanddate:	10/25/1955	Comments 1:	Not Reported
District:	2	Site id:	CAOG60000035858

A3

South

1/2 - 1 Mile

OIL_GAS

CAOG60000035856

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Apinumber:	03722745	Operator:	Plains Expl. & Prod. Co.
Lease:	Pacoima	Well no:	8
Field:	Pacoima	Caog m2 area:	Any Area
Map:	W1-2	Status cod:	002
Source:	gps		
Latitude27:	34.262038253		
Longitude2:	-118.441728532		
Latitude83:	34.262040774		
Longitude8:	-118.442644992		
Td:	0		
Sec:	15		
Twn:	02N	Rge:	15W
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	07/01/1911
Abanddate:	10/25/1955	Comments 1:	Not Reported
District:	2	Site id:	CAOG60000035856

A4 South 1/2 - 1 Mile

OIL_GAS CAOG60000035857

Apinumber:	03729959	Operator:	Plains Expl. & Prod. Co.
Lease:	Pacoima	Well no:	12
Field:	Pacoima	Caog m2 area:	Any Area
Map:	W1-2	Status cod:	008
Source:	gps		
Latitude27:	34.262043153		
Longitude2:	-118.441798956		
Latitude83:	34.262045674		
Longitude8:	-118.442715495		
Td:	0		
Sec:	15		
Twn:	02N	Rge:	15W
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	07/01/1911
Abanddate:	10/25/1955	Comments 1:	Not Reported
District:	2	Site id:	CAOG60000035857

A5 South 1/2 - 1 Mile

OIL_GAS CAOG60000035855

Apinumber:	03722709	Operator:	Plains Expl. & Prod. Co.
Lease:	Pacoima	Well no:	5
Field:	Pacoima	Caog m2 area:	Any Area
Map:	W1-2	Status cod:	017
Source:	gps		
Latitude27:	34.262005857		
Longitude2:	-118.441778504		
Latitude83:	34.262008385		
Longitude8:	-118.442694994		
Td:	0		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sec:	15	Rge:	15W
Twn:	02N		
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	07/01/1911
Abanddate:	10/25/1955	Comments 1:	Not Reported
District:	2	Site id:	CAOG60000035855

A6 South 1/2 - 1 Mile

OIL_GAS CAOG60000035854

Apinumber:	03722356	Operator:	Plains Expl. & Prod. Co.
Lease:	Pacoima	Well no:	4
Field:	Pacoima	Caog m2 area:	Any Area
Map:	W1-2	Status cod:	008
Source:	gps		
Latitude27:	34.261995474		
Longitude2:	-118.441775797		
Latitude83:	34.261997996		
Longitude8:	-118.442692294		
Td:	0		
Sec:	15	Rge:	15W
Twn:	02N		
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	06/22/1951
Abanddate:	09/12/1951	Comments 1:	Not Reported
District:	2	Site id:	CAOG60000035854

A7 South 1/2 - 1 Mile

OIL_GAS CAOG60000035853

Apinumber:	03729955	Operator:	Plains Expl. & Prod. Co.
Lease:	Pacoima	Well no:	WEST 1
Field:	Pacoima	Caog m2 area:	Any Area
Map:	W1-2	Status cod:	002
Source:	gps		
Latitude27:	34.261976991		
Longitude2:	-118.441901341		
Latitude83:	34.261979516		
Longitude8:	-118.442817799		
Td:	0		
Sec:	15	Rge:	15W
Twn:	02N		
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	07/01/1911
Abanddate:	10/25/1955	Comments 1:	Not Reported
District:	2	Site id:	CAOG60000035853

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

A8
South
1/2 - 1 Mile

OIL_GAS CAOG60000035852

Apinumber:	03722952	Operator:	Plains Expl. & Prod. Co.
Lease:	Pacoima	Well no:	10
Field:	Pacoima	Caog m2 area:	Any Area
Map:	W1-2	Status cod:	008
Source:	gps		
Latitude27:	34.261961432		
Longitude2:	-118.441853939		
Latitude83:	34.261963957		
Longitude8:	-118.442770397		
Td:	0		
Sec:	15		
Twn:	02N	Rge:	15W
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	07/01/1911
Abanddate:	10/25/1955	Comments 1:	Not Reported
District:	2	Site id:	CAOG60000035852

A9
South
1/2 - 1 Mile

OIL_GAS CAOG60000035851

Apinumber:	03722741	Operator:	Plains Expl. & Prod. Co.
Lease:	Pacoima	Well no:	7
Field:	Pacoima	Caog m2 area:	Any Area
Map:	W1-2	Status cod:	044
Source:	gps		
Latitude27:	34.261958645		
Longitude2:	-118.441850112		
Latitude83:	34.261961177		
Longitude8:	-118.442766597		
Td:	0		
Sec:	15		
Twn:	02N	Rge:	15W
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	07/01/1911
Abanddate:	10/25/1955	Comments 1:	Not Reported
District:	2	Site id:	CAOG60000035851

A10
South
1/2 - 1 Mile

OIL_GAS CAOG60000035850

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Apinumber:	03722946	Operator:	Plains Expl. & Prod. Co.
Lease:	Pacoima	Well no:	11
Field:	Pacoima	Caog m2 area:	Any Area
Map:	W1-2	Status cod:	008
Source:	gps		
Latitude27:	34.261953708		
Longitude2:	-118.441873141		
Latitude83:	34.261956237		
Longitude8:	-118.442789598		
Td:	0		
Sec:	15		
Twn:	02N	Rge:	15W
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	07/01/1911
Abanddate:	10/25/1955	Comments 1:	Not Reported
District:	2	Site id:	CAOG60000035850

A11 South 1/2 - 1 Mile

OIL_GAS CAOG60000035849

Apinumber:	03722926	Operator:	Plains Expl. & Prod. Co.
Lease:	Pacoima	Well no:	9
Field:	Pacoima	Caog m2 area:	Any Area
Map:	W1-2	Status cod:	008
Source:	gps		
Latitude27:	34.261948304		
Longitude2:	-118.441916955		
Latitude83:	34.261950828		
Longitude8:	-118.4428335		
Td:	0		
Sec:	15		
Twn:	02N	Rge:	15W
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	07/01/1911
Abanddate:	10/25/1955	Comments 1:	Not Reported
District:	2	Site id:	CAOG60000035849

12 South 1/2 - 1 Mile

OIL_GAS CAOG60000035841

Apinumber:	03706001	Operator:	Chevron U.S.A. Inc.
Lease:	University	Well no:	1
Field:	Any Field	Caog m2 area:	Any Area
Map:	W1-2	Status cod:	006
Source:	hud		
Latitude27:	34.25939		
Longitude2:	-118.439165		
Latitude83:	34.25939263		
Longitude8:	-118.4400814		
Td:	0		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sec:	15	Rge:	15W
Twn:	02N		
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/18/1955
Abanddate:	07/14/1956	Comments 1:	Not Reported
District:	2	Site id:	CAOG60000035841

13 East 1/2 - 1 Mile

OIL_GAS CAOG60000035878

Apinumber:	03721463	Operator:	Chevron U.S.A. Inc.
Lease:	Pacoima	Well no:	1
Field:	Pacoima	Caog m2 area:	Any Area
Map:	W1-2	Status cod:	007
Source:	hud		
Latitude27:	34.268834		
Longitude2:	-118.42524		
Latitude83:	34.268836236		
Longitude8:	-118.426155849		
Td:	9995		
Sec:	11		
Twn:	02N	Rge:	15W
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	10/25/1974
Abanddate:	11/29/1972	Comments 1:	Not Reported
District:	2	Site id:	CAOG60000035878

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

State Database: CA Radon

Radon Test Results

Zipcode	Num Tests	> 4 pCi/L
91340	1	0

Federal EPA Radon Zone for LOS ANGELES County: 2

Note: Zone 1 indoor average level > 4 pCi/L.

: Zone 2 indoor average level \geq 2 pCi/L and \leq 4 pCi/L.

: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for LOS ANGELES COUNTY, CA

Number of sites tested: 63

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.711 pCi/L	98%	2%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	0.933 pCi/L	100%	0%	0%

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Scanned Digital USGS 7.5' Topographic Map (DRG)

Source: United States Geologic Survey

A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

HYDROLOGIC INFORMATION

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2009 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

HYDROGEOLOGIC INFORMATION

AQUIFLOW^R Information System

Source: EDR proprietary database of groundwater flow information

EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit

Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Services

The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Services (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Services, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)

This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

Water Well Database

Source: Department of Water Resources

Telephone: 916-651-9648

California Drinking Water Quality Database

Source: Department of Health Services

Telephone: 916-324-2319

The database includes all drinking water compliance and special studies monitoring for the state of California since 1984. It consists of over 3,200,000 individual analyses along with well and water system information.

OTHER STATE DATABASE INFORMATION

California Oil and Gas Well Locations

Source: Department of Conservation

Telephone: 916-323-1779

Oil and Gas well locations in the state.

RADON

State Database: CA Radon

Source: Department of Health Services

Telephone: 916-324-2208

Radon Database for California

Area Radon Information

Source: USGS

Telephone: 703-356-4020

The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones

Source: EPA

Telephone: 703-356-4020

Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

California Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines, prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

STREET AND ADDRESS INFORMATION

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Appendix F



W-136430 IU#-IU004882 STATUS: A SIU SECT.: N DISTRICT: 02 SUBDIST: 03
FOG ZONE: 10 SUB-ZONE: 20
INSPECTOR: RAMY SHAROBEEM, RAMESH PATEL

* APPLICATION

APPL. REASON: New or Proposed Point of Discharge
RECEIVED DATE: 07/01/57 RECEIPT #:

* INDUSTRIAL USER

LEGAL BUS. NAME: Los Angeles Unified School District
DBA NAME: San Fernando Senior High School 8843
BUSINESS TYPE School
OWNERSHIP TYPE Government
ADDRESS: 11133 O'Melveny Avenue
San Fernando, CA 91340
CONTACT NAME: Sam Castrellon TITLE: Plant Manager
BTRC: Exempt PHONE: (818) 898-7600

* INDUSTRIAL USER MAILING ADDRESS

NAME: LAUSD, Energy Unit
ADDRESS: 333 S Beaudry Avenue, Floor 22
Los Angeles, CA 90017
OR P.O. BOX: PHONE: (213) 241-0334
ATTENTION: Kenneth Davis

* BILLING ADDRESS

NAME: LAUSD, Energy Unit
ADDRESS: 333 S Beaudry Avenue, Floor 22
Los Angeles, CA 90017
OR P.O. BOX: PHONE: (213) 241-0334
ATTENTION: Kenneth Davis

* CORPORATE OFFICERS

NAME 1: Roy Romer
TITLE 1: Superintendent

* PROPERTY OWNER

NAME: Los Angeles Unified School District
ADDRESS: 1425 S San Pedro Street
Los Angeles, CA 90015
OR P.O. BOX: PHONE: (213) 633-7212
ATTENTION: Los Angeles Unified School District

* PERMITTEE LOCATION ADDRESS

DESCRIPTION: San Fernando Senior High 8843
ADDRESS: 11133 O'Melveny Avenue
San Fernando, CA 91340
OR P.O. BOX: PHONE: (818) 898-7600
ATTENTION: Sam Castrellon

COUNCIL DIST.: 7 Richard Alarcon

* GENERAL INFORMATION

STATUS: A
DISTRICT: 02 East Valley SUB-DISTRICT: 03
District
FOG ZONE: 10 SUB-ZONE: 20
DISCHARGE START DATE: 12/01/1956
FINAL DISPOSAL CODE: 01 Public Sewer
IND. CLASS.: 111 111-Schools
INSP. CLASS.: IP01 Inspection & Control Fee Class 1
BILLING TYPE/FREQ: G Permit for government property / Quarterly
RESTAURANT SEATING CAP: 2,949
LAUNDRY WASHER COUNT/CAPACITY(lbs): /
NUMBER OF GARBAGE GRINDER/EFF DATE: 0 / 10/16/2003

* FACILITY CLASSES

CLASS: LIU:LIU

* SMR FREQUENCIES

FEDERAL: LOCAL: SURCHARGE:

* PERMIT CERTIFICATE

PERMIT TYPE: LIU with FOG
PERMIT EFF. DATE: 12/01/1956 AMENDED DATE: 10/12/2005
PERMIT EXP. DATE:
SIU GROUP:

* PERMIT TERMINATION

TERMINATION DATE:
TERMINATION REASON:
REQUESTOR:

* LATERAL CONNECTION ----- SEWER CONNECTION -----

DESCRIPTION: in Fox St - Outlet Num : 0100
WYE MAP ID: SEWER PERMIT:
PIPE MATERIAL: SIZE (INCHES):

* FLOW INFORMATION

ORIGINAL TOTAL DISCHARGE FLOW (GPD, CAL.)/EFF. DATE: 750 / 06/13/1986
MAXIMUM TOTAL DISCHARGE FLOW (GPD, CAL.)/EFF. DATE: 28,373 / 03/03/1997
TOTAL DISCHARGE FLOW (GPD, CAL.)/EFF. DATE: 2,385 / 08/02/2010
AVG CALENDAR DAY FLOW (GPD, CAL.)/EFF. DATE:
AVG OPERATIONAL DAY FLOW (GPD, CAL.)/EFF. DATE:
SFC FLOW (GPD, CAL.)
SURCHARGE FLOW (GPD, CAL.)/EFF. DATE:
SURCHARGE PSDF FLOW (GPD, CAL.)/EFF. DATE:

* SURCHARGE INFORMATION

QUARTERLY SURCHARGE VALUES: SS: BOD:
ZERO BASED QUALITY SURCHARGE INDICATOR: N

* SAMPLE POINT INFORMATION

SP: 01-001 sample point not available -- normal operations

SP TYPE: End-of- SSF: N FLOW METER PRESENT: N EFFECTIVE DATE: 12/01/1956
Pipe

* PROCESS UNIT OPERATION

PUO Code: FBKG 000 Baking - Baking
FBOI 000 Boiling - Boiling
RESC 000 Cooling Tower/Evaporative Condenser Repairing /Servicing -
Cooling Tower/Evaporative Condenser Repairing /Servicing
WASF 000 Floor Washing - Floor Washing
WASG 000 Fruit/Vegetable Washing - Fruit/Vegetable Washing
WASI 000 General Equipment Washing - General Equipment Washing

* PRETREATMENT UNIT OPERATION

PTUO CODE:
01001 0110IF EVAPORATOR CONDENSORS
0110TR RECIRCULATION
SC0020 SCREENING - STATIONARY SCREENS

* SIC

SIC CODE: 8211 Elementary and Secondary Schools
5812 Eating Places

* NAICS

NAICS CODE:

* COOLING TOWER

TONNAGE:

* OTHER ENVIRONMENTAL PERMIT(S)

PERMIT#/DESCRIPT.: FSE Number from FOG DB / 25576 / IWMD\FOG

* OTHER INDUSTRIAL WASTEWATER PERMIT(S)

PERMIT NUMBER(S): 147618

PREPARED BY: _____ DATE: _____

APPROVED BY: _____ DATE: _____

ENTERED BY: _____ DATE: _____

RUN DATE: 1/24/2011
RUN BY: AARBOLEDA

W-147618 IU#-IU004882 STATUS: A SIU SECT.: N DISTRICT: 02 SUBDIST: 03
FOG ZONE: 10 SUB-ZONE: 20
INSPECTOR: RAMY SHAROBEEM, RAMESH PATEL

* APPLICATION

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NUMBER OF GARBAGE GRINDER/EFF DATE: 0 / 10/16/2003

* FACILITY CLASSES

CLASS: LIU:LIU

* SMR FREQUENCIES

FEDERAL: LOCAL: SURCHARGE:

* PERMIT CERTIFICATE

PERMIT TYPE: LIU
PERMIT EFF. DATE: 07/01/1957 AMENDED DATE: 08/28/2006
PERMIT EXP. DATE:
SIU GROUP:

* PERMIT TERMINATION

TERMINATION DATE:
TERMINATION REASON:
REQUESTOR:

* LATERAL CONNECTION ----- SEWER CONNECTION -----

DESCRIPTION: in Fox St - Outlet Num : 0100
WYE MAP ID: SEWER PERMIT:
PIPE MATERIAL: SIZE (INCHES):

* FLOW INFORMATION

ORIGINAL TOTAL DISCHARGE FLOW (GPD, CAL.)/EFF. DATE: 750 / 06/13/1986
MAXIMUM TOTAL DISCHARGE FLOW (GPD, CAL.)/EFF. DATE: 28,373 / 03/03/1997
TOTAL DISCHARGE FLOW (GPD, CAL.)/EFF. DATE: 2,385 / 08/02/2010
AVG CALENDAR DAY FLOW (GPD, CAL.)/EFF. DATE:
AVG OPERATIONAL DAY FLOW (GPD, CAL.)/EFF. DATE:
SFC FLOW (GPD, CAL.)
SURCHARGE FLOW (GPD, CAL.)/EFF. DATE:
SURCHARGE PSDF FLOW (GPD, CAL.)/EFF. DATE:

* SURCHARGE INFORMATION

QUARTERLY SURCHARGE VALUES: SS: BOD:
ZERO BASED QUALITY SURCHARGE INDICATOR: N

* SAMPLE POINT INFORMATION

SP: 00-001 Sample Box of Clarifier -- Normal Operations

SP TYPE: End-of- SSF: N FLOW METER PRESENT: N EFFECTIVE DATE: 12/01/1956
Pipe

* PROCESS UNIT OPERATION

PUO Code: LABA 000 Analytical Laboratory Operations - Analytical Laboratory
Operations
WASF 000 Floor Washing - Floor Washing
WASI 000 General Equipment Washing - General Equipment Washing

* PRETREATMENT UNIT OPERATION

PTUO CODE:
00001 CL0020 CLARIFICATION - 3 COMPARTMENT 6X2X2, 180 GAL BELOW
INVERT W/SAMPLE BOX
SC0020 SCREENING - STATIONARY SCREENS

* SIC

SIC CODE: 8211 Elementary and Secondary Schools
5812 Eating Places

* NAICS

NAICS CODE:

* COOLING TOWER

TONNAGE:

* OTHER ENVIRONMENTAL PERMIT(S)

PERMIT#/DESCRIPT.: FSE Number from FOG DB / 25576 / IWMD\FOG

* OTHER INDUSTRIAL WASTEWATER PERMIT(S)

PERMIT NUMBER(S): 136430

PREPARED BY: _____ DATE: _____

APPROVED BY: _____ DATE: _____

ENTERED BY: _____ DATE: _____

RUN DATE: 1/24/2011
RUN BY: AARBOLEDA

City of Los Angeles
Department of Water and Power
Engineering Services Division
Distribution Reliability Engineering Group



Lisa Waldez
Staff Environmental Scientist
Converse Consultants
222 East Huntington Drive, Suite 211
Monrovia, CA 91016
Office: (626) 930-1250
Cell: (626) 807-3415
Fax: (626)930-1212

Dear Ms. Waldez:

Subject: Information and Status of transformers located at the corner of O'Melveny Ave & Chamberlain St, Los Angeles, CA 91340.

In response to your request dated March 8, 2011, the Los Angeles Department of Water and Power is supplying the following transformer information:

Record Number	Station Number	KVA	Location	Install Date	ViSPad/Pole	Manufacturer	Serial Number	Current PCB Status*
Z07165	101-11-047	37.5	DAUBERT ST S/S 153' E/O O'MELVENY AVE	02/08/1990	POLE	DELTA-STAR	W218465	NON-PCB
S01914	069-17-148	37.5	CHAMBERLAIN ST N/S 100' W/O ONEIDA AV	02/05/1990	POLE	MCGRAW-EDISON	89ND163-096	NON-PCB
T01487	069-17-147	37.5	CHAMBERLAIN ST N/S 65' W/O O'MELVANY AV	11/21/1985	POLE	MCGRAW-EDISON	85VB016025	NON-PCB
A01970	069-17-146	20	CHAMBERLAIN ST N/S 270' W/O CL/O O'MELVENY AV	02/12/1985	STREET LIGHT	GENERAL ELECTRIC	9977204	NON-PCB

* Federal Environmental Protection Agency regulations classify electrical equipments containing less than 50 parts per million as "non-PCB" status (e-CFR § 761.30).

If you have any questions or need additional information, you can contact me directly at (213) 367-1832.

Sincerely,

Stephen Joe
Office Engineering Technician
(213) 367-1832
Stephen.Joe@LADWP.com





Converse Consultants

Geotechnical Engineering, Environmental & Groundwater Science, Inspection & Testing Services

Phase II Environmental Site Assessment

Proposed San Fernando High School Teen Health Center
11133 O'Melveny Avenue
San Fernando, CA 91340

CONVERSE Project No. 10-41-282-02

July 25, 2011

Prepared For:

BERNARDS
555 First Street
San Fernando, CA 91340

Prepared By:

CONVERSE CONSULTANTS
222 East Huntington Drive, Suite 211
Monrovia, California 91016





Converse Consultants

Geotechnical Engineering, Environmental & Groundwater Science, Inspection & Testing Services

July 25, 2011

Mr. Jack Hall
BERNARDS
555 First Street
San Fernando, CA 91340

Subject: PHASE II ENVIRONMENTAL SITE ASSESSMENT REPORT
Proposed San Fernando High School Teen Health Center
11133 O'Melveny Avenue
San Fernando, CA 91340
Converse Project No. 10-41-282-02


Mr. Hall:

Converse Consultants (Converse) is pleased to submit the attached report that summarizes the activities and the results of a *Phase II Environmental Site Assessment* (Phase II ESA) that was conducted at the referenced site (Site).


We appreciate the opportunity to be of service. Should you have any questions or comments regarding this report, please contact John Ziegler at (626) 930-1234 or Norman Eke at (626) 930-1260.

CONVERSE CONSULTANTS


John Ziegler
Senior Professional


Norman Eke
Managing Officer

Dist.: 2/Addressee


Michael Van Fleet, PG
Senior Geologist

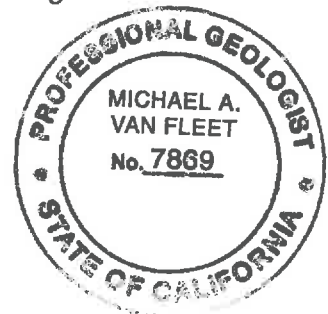


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FIGURES

- Figure 1 Site Location Map
Figure 2 Site Plan and Boring Locations

TABLES

- Table 1 Summary of Soil Sample Analytical Results – Metals
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APPENDICES

- Appendix A Soil Analytical Reports



1.0 Introduction

1.1 Background

The subject property is located at 11133 O'Melveny Avenue in San Fernando, California (Site). The location of the Site is indicated on Figure 1. The Site is currently occupied by San Fernando High School. A Phase I Environmental Site Assessment (ESA) for the Site, dated March 28, 2011, was completed by Converse concurrent with this Phase II ESA. Information obtained during the Phase I ESA indicate the following:

- As early as 1927, the Site was agricultural land. In 1938, the Site appeared to be vacant land. By 1947, the Site appeared to be a residential property with a total of two (2) structures. As of 1952, the Site had been combined with the northwest and west adjacent properties as the agricultural center for San Fernando High School. In the 1950s to the mid-1970s, the Site was observed with five (5) to six (6) agriculturally-related structures. The building permits identified a garden storage building, a poultry house, and an agricultural unit that are believed to have been erected on the Site. Later in 1988, the Site was only observed with three (3) structures resembling the Site's current configuration. These structures have been presently identified as a temporary trailer, a storage building, and a portion of the tool shed. The school's plant manager stated that one (1) of the storage buildings was historically used as a chicken coop. No hazardous materials storage were observed in these storage areas.
- In addition to these structures, the Site also includes landscaped areas, asphalt-paved areas, and concrete compost bins.
- Records with the Los Angeles Fire Department (LAFD) and City of Los Angeles' Department of Public Works (DPW) indicated a historical 5,000-gallon underground storage tank (UST) for storing diesel and a clarifier connected to the science building that are registered to San Fernando High School, but are not located within the Site boundaries. The UST was removed under regulatory oversight with no contamination noted.
- No adjacent properties were identified in the environmental databases of the EDR Radius Map Report.
- The San Fernando Valley, Area 1 National Priority List (NPL) site is located within a one-mile radius of the Site. This groundwater underlying this area has been identified by the Environmental Protection Agency (EPA) as contaminated from perchloroethylene (PCE), trichloroethylene (TCE), carbon tetrachloride, and chloroform. Investigations and remedial work are overseen by the EPA. The Property has not been identified as a Potentially Responsible Party.



Based on the Phase I ESA findings, it appears that the no further assessment is warranted as it relates to the NPL site. This Phase II assessment was performed to screen the Site for subsurface contamination from historical uses. Select soil samples were analyzed for total petroleum hydrocarbons (TPH), metals, and organochlorine pesticides (OCPs).

1.2 Field Variances

Variances from Converse's December 20, 2010 proposal included the following:

- A total of eight (8) borings were completed to a maximum depth of 5 feet below ground surface (bgs) using a rotohammer, rather than the proposed three (3) borings using a Geoprobe.
- Soil samples surrounding the chicken coup were collected at depths of 0.5 and 2 feet bgs. The samples from 0.5 feet bgs were analyzed discretely for lead, but were composited for analysis of OCPs. The samples from 2 feet bgs were initially archived, but based on the initial analytical results, Converse requested that two (2) of the four (4) 2-foot samples be analyzed for lead. Additionally, Converse requested that two (2) of the four (4) 0.5-foot samples be analyzed for soluble lead in accordance with the Soluble Threshold Limit Concentration (STLC) and Toxicity Characteristic Leaching Procedure (TCLP) methods.
- An additional four soil samples were completed throughout the Site and collected at depths of 0.5, 2, and 5 feet bgs. Two (2) samples per boring were initially analyzed. Based on the initial sample results, Converse requested one (1) of the four (4) 2-foot samples be analyzed for lead and one (1) sample be analyzed for OCPs and arsenic.

1.3 Reliance

This report is for the sole benefit and exclusive use of BERNARDS in accordance with the terms and conditions under which these services have been provided. Its preparation has been in accordance with generally accepted environmental practices. No other warranty, either express or implied, is made. The Scope of Services associated with the report was designed solely in accordance with the objectives, schedule, budget, and risk-management preferences of BERNARDS.

This report should not be regarded as a guarantee that no further contamination, beyond that which could be detected within the scope of this assessment, is present at the Property. Converse makes no warranties or guarantees as to the accuracy or completeness of information provided or compiled by others. It is



possible that information exists beyond the scope of this assessment. It is not possible to absolutely confirm that no hazardous materials and/or substances exist at the Property. If none are identified as part of a limited scope of work, such a conclusion should not be construed as a guaranteed absence of such materials, but merely the results of the evaluation of the property at the time of the assessment. Also, events may occur after the Property visit, which may result in contamination of the Property. Additional information, which was not found or available to Converse at the time of report preparation, may result in a modification of the conclusions and recommendations presented.

Any reliance on this report by Third Parties shall be at the Third Party's sole risk. Should BERNARDS wish to identify any additional relying parties not previously identified, a completed *Application of Authorization to Use* must be submitted to Converse Consultants.



2.0 Scope of Services

2.1 Objective

The objective of this assessment was to screen the Site for subsurface contamination from historical uses.

2.2 Project Set-up

Converse personnel coordinated and scheduled Site access with the property owner. The work area was marked and Underground Service Alert (USA) was notified.

2.3 Field Activities

2.3.1 Utility Clearance and Notifications

The Site was marked and USA was notified.

2.3.2 Soil Sampling Methodologies

On March 17, 2011, soil samples were collected using a rotohammer (direct-push drilling method) at eight (8) locations (B1 through B8) to a maximum depth of 5 feet bgs. Boring locations are indicated on Figure 2. Borings B1 through B4 were located around the perimeter of the structure that was identified as a former chicken coop. Boring B5 was located in front of the concrete compost bins. Borings B6 and B7 were located adjacent to the entrances of a metal storage container, and boring B8 was located next to a circular cement feature that appeared to be mostly filled with soil.

Soil samples were collected in 1-inch diameter acetate sleeves, which were driven using the rotohammer. The sleeves with the soil samples were retrieved from the borings and cut at appropriate sample intervals (0.5, 2, and 5 feet bgs). A subsample was collected from each primary sample at locations B5 through B8 in accordance with EPA Method 5035 using EnCore sample containers for the potential analysis of Total Petroleum Hydrocarbons in the gasoline range (TPHg).

A portion of each soil sample was also placed in a sealable plastic bag and screened for Volatile Organic Compounds (VOCs) using a photo-ionization detector (PID). The sample sleeves were then sealed, labeled



and placed on ice for transport, under chain of custody documentation, to a State of California certified laboratory.

2.4 Analytical

All soil samples were submitted to American Environmental Testing Laboratories (AETL) in Burbank, California. A portion of each 0.5-foot sample from locations B1 through B4 were composited by the laboratory and that composite sample (Composite 1) was analyzed in accordance with EPA Test Method 8081A for lead and OCPs. These 0.5-foot samples were also analyzed discretely in accordance with EPA Test Method 6010B for lead. Select soil samples from locations B5 through B8 were analyzed in accordance with EPA Test Methods 8015M, 6010B/7471A, and 8081A for TPH, Title 22 Metals, and OCPs, respectively. Those samples not initially analyzed were archived by the laboratory.

Following review of the initial analytical results the laboratory was requested to conduct the following additional analyses:

- The 2-foot samples from locations B3 and B4 were analyzed for total lead,
- The 0.5-foot samples from Location B3 and B4 were analyzed for soluble lead in accordance with STLC and TCLP methods,
- The 2-foot sample from location B7 was analyzed for total lead, and
- The 2-foot sample from location B6 was analyzed for OCPs and arsenic.

See Tables 1 and 2 for a summary of the analytical results. The complete analytical reports are provided in Appendix A.

3.0 Summary of Findings

3.1 Soil Conditions

The subsurface soil samples collected from the upper 5 feet were generally observed to be brown to dark brown silty sands. Some samples contained minor amounts of clay, and all were slightly moist. No visible or olfactory signs of contamination were observed in any of the samples.

3.2 Groundwater

Groundwater was not encountered in any of the borings completed to depths up to 5 feet bgs. Therefore, no groundwater samples were collected.

3.3 Analytical Results

A summary of the analytical results are provided below and in Tables 1 and 2. The analytical reports from the laboratory are provided in Appendix A.

The evaluation of metal and OCP concentrations in soil samples was initially based upon a comparison of reported concentrations to California Human Health Screening Levels for residential soils (CHHSL-r) which have been established by the Cal/EPA. The Department of Toxic Substances Control (DTSC) has subsequently adopted the CHHSL-r values as the screening levels for OCPs at school sites. While the DTSC generally requests that metals concentrations be evaluated relative to background levels, the CHHSL-r values can serve as an acceptable screening level if background data are not available. However, the DTSC has published that a level of 12.0 milligrams per kilogram (mg/kg) can be considered a background level for arsenic at school sites in southern California.

Metals

All reported metals, with the exception of arsenic and lead, are below their respective CHHSL-r values. The maximum arsenic concentration of 12.7 mg/kg from 0.5 feet bgs at location B6 exceeds the DTSC background level of 12 mg/kg. However, it is noted that all other reported arsenic concentrations, including the samples from 2 and 5 feet bgs at location B6, were less than the DTSC background level.

Lead concentrations in the 0.5 feet bgs samples from B3, B4, and B7 exceeded the CHHSL-r value of 80 mg/kg. The concentrations of lead in the 2 feet bgs samples at each of these locations, as well in all other samples analyzed for lead, were below this screening level.



Converse requested that the laboratory analyze the 0.5-foot samples from location B3 and B4 for soluble lead in accordance with the STLC and TCLP methods because the total lead concentrations were greater than 10 times the STLC and TCLP values. The samples were reported to have soluble lead concentrations of 0.720 and 46.5 micrograms per liter (mg/L) in samples B3 and B4 at 0.5 foot bgs, respectively, when analyzed in accordance with the STLC method, and non-detect and 0.489 mg/L, respectively, when analyzed in accordance with the TCLP method. Based on the results of soluble lead concentration of sample B4 when analyzed in accordance with the STLC method, it is determined that the soil may be considered California-hazardous waste for transportation and disposal purposes.

OCPs

Five (5) OCPs were reported in the 10 soil samples analyzed during this assessment. Total chlordane, 4,4'-DDD, 4,4'-DDE, 4,4'-DDT, and dieldrin were reported with maximum concentrations of 76.7, 70.1, 965, 1,970, and 2.34 micrograms per kilogram (µg/kg), respectively. All reported OCPs in the soil samples analyzed, with the exception of 4,4'-DDT, are below their respective DTSC/CHHSL-r screening values.

4,4'-DDT was reported at a concentration of 1,970 ug/kg in the 0.5-foot bgs sample from location B6, which exceeds the screening level of 1,600 ug/kg. It is noted that 4,4'-DDT was reported as non-detect in the 2-foot bgs sample from this location.

TPH

TPH in the gasoline range was not reported in the eight (8) soil samples analyzed during this assessment.

TPH in the diesel range was reported in two (2) of the eight (8) soil samples analyzed during this assessment with a maximum concentration of 123 mg/kg in sample B6 at 0.5 feet bgs.

TPH in the heavy hydrocarbons range was reported in five (5) of the eight (8) soil samples analyzed during this assessment with a maximum concentration of 842 mg/kg in sample B6 at 0.5 feet bgs.

Maximum Soil Screening Levels (MSSLs) are established by the California Regional Water Quality Control Board (CRWQCB) to be protective of groundwater. Appropriate MSSL levels are selected based on the distance above groundwater, which is expected to be greater than 150 feet at the Site. All reported TPH concentrations were below their respective MSSL values, based on a depth to groundwater greater than 150 feet bgs.



4.0 Conclusions and Recommendations

Based on the analytical results, Converse has reached the following conclusions and recommendations:

- All reported metals in the soil samples analyzed, with the exception of arsenic and lead, are below their respective health-risk based CHHSL values.
- The maximum arsenic concentration of 12.7 mg/kg from 0.5 feet bgs at location B6 exceeds the DTSC background level of 12 mg/kg. However, it is noted that all other reported arsenic concentrations, including the samples from 2 and 5 feet bgs at location B6, were less than the DTSC background level.
- Lead concentrations in the 0.5 feet bgs samples from B3, B4, and B7 exceeded the CHHSL-r value of 80 mg/kg. The concentrations of lead in the 2 feet bgs samples at each of these locations, as well in all other samples analyzed for lead, were below this screening level.
- The soluble concentration of lead was reported as 46.5 mg/L in sample B4 from 0.5 foot bgs when analyzed in accordance with the STLC method, and as 0.489 mg/L when analyzed in accordance with the TCLP method. Therefore the soil may be considered California-hazardous waste for transportation and disposal purposes.
- All reported OCPs in the soil samples analyzed, with the exception of 4,4'-DDT, are below their respective CHHSL-r values. However, it is noted that although the maximum 4,4'-DDT concentration of 1,970 µg/kg in the 0.5-foot bgs sample from location B6 exceeds the CHHSL-r value of 1,600 ug/kg, the concentrations in the 2- and 5-foot samples at this location were well below the screening level.
- The reported TPH concentrations in the soil samples analyzed are below their respective MSSL values.

Based on the results of this assessment, Converse recommends additional step-out sampling be conducted around locations B3, B4 (former chicken coop) for lead, and around locations B6 and B7 (metal storage container) for further assessments of arsenic and OCPs, and lead, respectively.

It is noted that because the reported soluble (STLC) lead concentration in sample in the 0.5-foot sample from B4 exceeds the STLC limit, supplemental analyses should be conducted of any soils to be removed from the Site to determine the appropriate waste classification.



5.0 References

California Environmental Protection Agency, Use of California Human Health Screening Levels in Evaluation of Contaminated Properties, January 2005.

California Regional Water Quality Control Board, Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater, November 2007, revised May 2008.

Converse Consultants, Phase I Environmental Site Assessment Report, San Fernando High School Teen Center, March 28, 2011.

United States Environmental Protection Agency, Regional Screening Levels, December 2009.



Figures

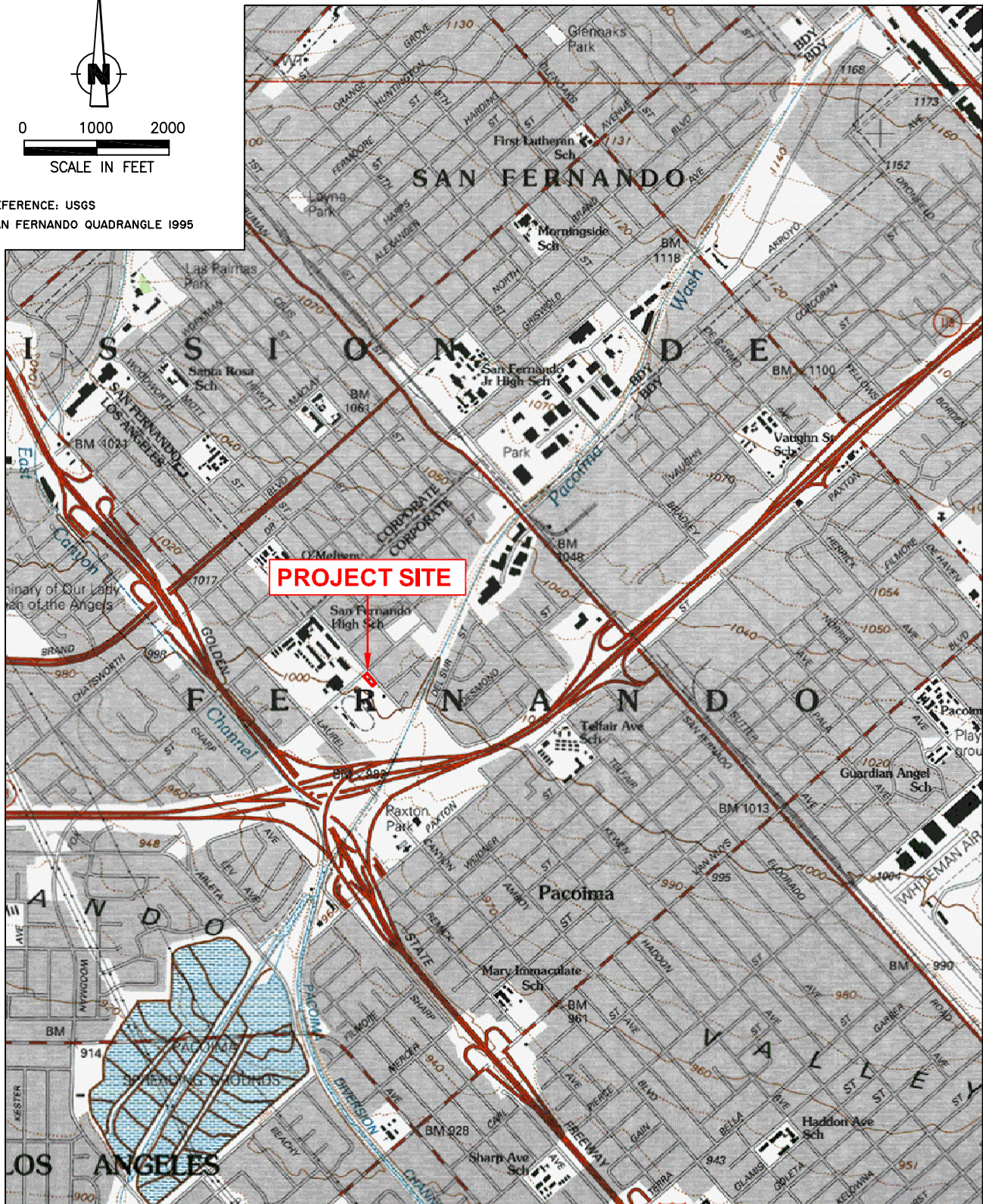
Figures





0 1000 2000
SCALE IN FEET

REFERENCE: USGS
SAN FERNANDO QUADRANGLE 1995



SITE LOCATION MAP

PROPOSED SAN FERNANDO
TEEN HEALTH CENTER
11133 O'MELVENY AVENUE
SAN FERNANDO, CALIFORNIA

Project No.

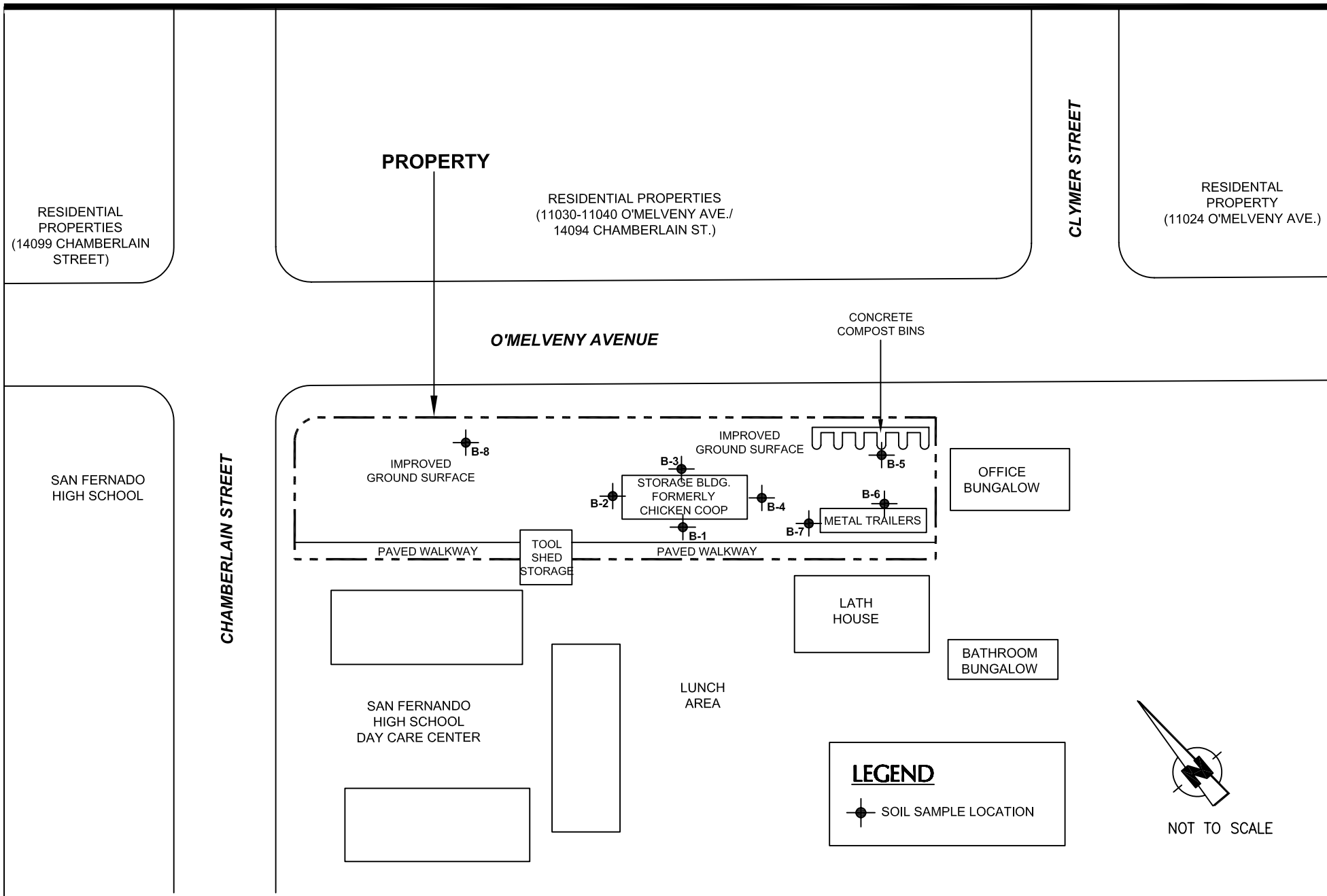
10-41-282-02



Converse Consultants

Figure No.

1



SITE PLAN AND BORING LOCATIONS



Converse Consultants

PROPOSED SAN FERNANDO
TEEN HEALTH CENTER
11133 O'MELVENY AVENUE
SAN FERNANDO, CALIFORNIA

Project No.
10-41-282-02

Figure No.

2

Tables



TABLE 1
Summary of Soil Sample Analytical Results - Metals
Proposed San Fernando High School Teen Health Center
San Fernando, CA

Boring Location	B1	B2	B3		B4		B5		B6			B7			B8		Guidance Levels	
Depth (feet bgs)	0.5	0.5	0.5	2.0	0.5	2.0	0.5	2.0	0.5	2.0	5.0	0.5	2.0	5.0	0.5	5.0	CHHSL-r	DTSC Screening Level
Sample Date	3/17/2011	3/17/2011	3/17/2011		3/17/2011	3/17/2011	3/17/2011		3/17/2011			3/17/2011			3/17/2011			
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Antimony	-	-	-	-	-	-	ND	ND	ND	-	ND	ND	-	ND	ND	ND	30	
Arsenic	-	-	-	-	-	-	ND	ND	12.7	ND	ND	6.73	-	ND	6.13	ND	0.07	12
Barium	-	-	-	-	-	-	''	139	117	-	173	122	-	122	136	135	5,200	
Beryllium	-	-	-	-	-	-	ND	ND	ND	-	ND	ND	-	ND	ND	ND	150	
Cadmium	-	-	-	-	-	-	ND	ND	ND	-	ND	ND	-	ND	ND	ND	1.7	
Chromium (Total)	-	-	-	-	-	-	12.2	15.8	14.5	-	13.2	13.9	-	5.58	14.7	16.5	100,000	
Cobalt	-	-	-	-	-	-	6.28	11.3	8.52	-	10.4	8.31	-	7.03	9.76	10.9	660	
Copper	-	-	-	-	-	-	13.3	11.7	22.6	-	18.7	23.5	-	10.5	21.7	14.3	3,000	
Lead	70.5	21.8	498	2.99	244	3.00	35.6	2.52	72.2	-	43.0	139	3.24	ND	49.0	12.7	80	
Mercury^	-	-	-	-	-	-	ND	ND	ND	-	ND	ND	-	ND	ND	ND	18	
Molybdenum	-	-	-	-	-	-	ND	ND	ND	-	ND	ND	-	ND	ND	ND	380	
Nickel	-	-	-	-	-	-	7.65	9.02	9.59	-	7.42	8.60	-	4.18	8.98	8.65	1,600	
Selenium	-	-	-	-	-	-	ND	ND	ND	-	ND	ND	-	ND	ND	ND	380	
Silver	-	-	-	-	-	-	ND	ND	ND	-	ND	ND	-	ND	ND	ND	380	
Thallium	-	-	-	-	-	-	ND	ND	ND	-	ND	ND	-	ND	ND	ND	5	
Vanadium	-	-	-	-	-	-	19.2	28.7	23.2	-	29.7	22.7	-	17.1	26.1	30.0	530	
Zinc	-	-	-	-	-	-	182	39.9	167	-	53.0	211	-	27.6	92.0	50.4	23,000	

Samples analyzed in accordance with EPA Method 6010

^ = Reported concentration analyzed in accordance with EPA Method 7471

mg/kg = Milligrams per Kilogram

bgs = Below Ground Surface

ND = Not Detected at or above Practical Quantification Limits (PQLs)

Italicized Value = Indicates analyte was detected. However, Analyte concentration is an estimated value which is between the method detection limit (MDL) and the PQL.

RSL-r = Regional Screening Levels for Residential Soils

RSL-i = Regional Screening Levels for Industrial Soils

CHHSL-r = California Human Health Screening Levels for Res

CHHSL-i = California Human Health Screening Levels for Indu

Yellow Highlight = Exceeds Screening Level

TABLE 2
Summary of Soil Sample Analytical Results - TPH and OCPs
Proposed San Fernando High School Teen Health Center
San Fernando, CA

Boring Location	Depth (feet bgs)	Date	Total Petroleum Hydrocarbons			Organochlorine Pesticides					
			Gasoline Range (mg/kg)	Diesel Range (mg/kg)	Heavy Hydrocarbons Range (mg/kg)	Total Chlordane (ug/kg)	4,4'-DDD (ug/kg)	4,4'-DDE (ug/kg)	4,4'-DDT (ug/kg)	Dieldrin (ug/kg)	All Other OCPs (ug/kg)
Composite 1 (B1, B2, B3, and B4)	0.5	03/17/11	-	-	-	18.3	20.5	168	200	ND	ND
B5	0.5	03/17/11	ND	ND	ND	11.8	2.06	94.2	20.6	ND	ND
	2.0		ND	ND	ND	ND	ND	1.76	ND	ND	ND
B6	0.5	03/17/11	ND	123	842	76.7	70.1	965	1,970	ND	ND
	2.0		-	-	-	ND	ND	1.38	ND	ND	ND
	5.0		ND	ND	10.7	ND	7.37	ND	18.7	ND	ND
B7	0.5	03/17/11	ND	ND	13.1	31.8	36.4	308	408	ND	ND
	5.0		ND	ND	ND	ND	ND	ND	ND	ND	ND
B8	0.5	03/17/11	ND	8.44	66.8	6.60	2.35	46.6	28.3	2.34	ND
	5.0		ND	ND	28.7	1.85	ND	5.15	3.84	ND	ND
Guidance Levels											
DTSC Screening Level / CHHSL-r			-	-	-	0.43	2,300	1,600	1,600	0.035	-
MSSL			1,000	10,000	50,000	-	-	-	-	-	-

ND = Not Detected at or Above the Practical Quantitation Limit (PQL)

NA = Sample was Not Analyzed

Italicized Value = Indicates analyte was detected. However, Analyte concentration is an estimated value which is between the method detection limit (MDL) and the PQL.

bgs = Below Ground Surface

mg/kg = Milligrams per kilogram

µg/kg = Micrograms per kilogram

CHHSL-r = California Human Health Screening Level for Residential Soils

MSSL = Maximum Soil Screening Level, based on distance above groundwater greater than 150 feet.

Soil Analytical Reports

Appendix A





American Environmental Testing Laboratory Inc.

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Ordered By

Converse Consultants
222 E. Huntington Drive Suite 211
Monrovia, CA 91016-8006

Number of Pages 21
Date Received 03/17/2011
Date Reported 03/24/2011

Telephone: (626)930-1200
Attention: Michael Van Fleet

Job Number	Order Date	Client
60548	03/17/2011	CONVRS

Project ID: 10-41-282-02
Project Name: San Fernando High School
Site: San Fernando, CA

Enclosed please find results of analyses of 13 soil samples which were analyzed as specified on the attached chain of custody. If there are any questions, please do not hesitate to call.

Checked By: _____

Approved By: _____

Cyrus Razmara, Ph.D.
Laboratory Director



American Environmental Testing Laboratory Inc.

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CHAIN OF CUSTODY RECORD

No 72531

Page 2 of 2

AETL JOB No. 60548

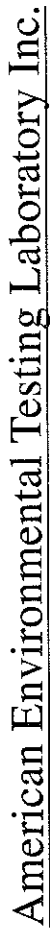
COMPANY	CONVERSE CONSULTANTS	PROJECT MANAGER	MIKE VAN FLEET
COMPANY ADDRESS	222 E Huntington Pr, Monrovia, CA	PHONE	626 930 1200
PROJECT NAME	SAN FERNANDO HJ	FAX	626 930 1212
SITE NAME AND ADDRESS	SAN FERNANDO	PROJECT #	104228202
		PO #	

ANALYSIS REQUESTED				TEST INSTRUCTIONS & COMMENTS		
SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.
1 B5 Q0.5	60548-01	03/17/11	0906	SOIL	2000ml SQUEEZE	10
2 B5 Q2.0	60548-02		0908			
3 B5 Q5.0	60548-03		0912			
4 B6 Q0.5	60548-04		0918			
5 B6 Q2.0	60548-05		0920			
6 B6 Q5.0	60548-06		0924			
7 B7 Q0.5	60548-07		0934			
8 B7 Q2.0	60548-08		0936			
9 B7 Q5.0	60548-09		0940			
10 B8 Q0.5	60548-10		0954			
11 B8 Q2.0	60548-11		0956			
12 B8 Q5.0	60548-12		1000			
13						
14						
15						

SAMPLE RECEIPT - TO BE FILLED BY LABORATORY			RELINQUISHED BY		
TOTAL NUMBER OF CONTAINERS	PROPERLY COOLED Y/N/NA	24	1.	2.	3.
CUSTODY SEALS Y/N/NA	SAMPLES INTACT Y/N/NA		Signature: [Signature]	Signature: [Signature]	Signature: [Signature]
RECEIVED IN GOOD COND. Y/N	SAMPLES ACCEPTED Y/N		Printed Name: [Name]	Printed Name: [Name]	Printed Name: [Name]
TURN AROUND TIME			Date: 03/17/11	Date: [Date]	Date: [Date]
			Time: 1035	Time: [Time]	Time: [Time]
			RECEIVED BY: [Signature]	RECEIVED BY: [Signature]	RECEIVED BY: [Signature]
			Printed Name: [Name]	Printed Name: [Name]	Printed Name: [Name]
			Date: [Date]	Date: [Date]	Date: [Date]
			Time: [Time]	Time: [Time]	Time: [Time]

<input checked="" type="checkbox"/> NORMAL	<input type="checkbox"/> RUSH	<input type="checkbox"/> SAME DAY	<input type="checkbox"/> 2 DAYS
		<input type="checkbox"/> NEXT DAY	<input type="checkbox"/> 3 DAYS

DISTRIBUTION: WHITE - Laboratory, CANARY - Laboratory, PINK - Project/Account Manager, YELLOW - Sampler/Originator



CHAIN OF CUSTODY RECORD

72530 Ni

Page 1 of 2

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ANALYTICAL RESULTS

Ordered By**Site**

Converse Consultants
222 E. Huntington Drive
Suite 211
Monrovia, CA 91016-8006

San Fernando, CA

Telephone: (626)930-1200

Attn: Michael Van Fleet

Page: 2

Project ID: 10-41-282-02

Project Name: San Fernando High School

AETL Job Number	Submitted	Client
60548	03/17/2011	CONVRS

Method: (M8015G), TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 031811NB1

Our Lab I.D.			Method Blank	60548.01	60548.02	60548.04	60548.06
Client Sample I.D.				B5@0.5	B5@2.0	B6@0.5	B6@5.0
Date Sampled				03/17/2011	03/17/2011	03/17/2011	03/17/2011
Date Prepared			03/18/2011	03/18/2011	03/18/2011	03/18/2011	03/18/2011
Preparation Method			5030	5035A	5035A	5035A	5035A
Date Analyzed			03/18/2011	03/18/2011	03/18/2011	03/18/2011	03/18/2011
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
TPH as Gasoline and Light HC. (C4-C12)	0.100	1.000	ND	ND	ND	ND	ND
Our Lab I.D.			Method Blank	60548.01	60548.02	60548.04	60548.06
Surrogates	%Rec.Limit		% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Bromofluorobenzene	75-125		88.8	92.8	93.4	92.6	91.8



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San Fernando, CA

Telephone: (626)930-1200

Attn: Michael Van Fleet

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Project ID: 10-41-282-02

Project Name: San Fernando High School

AETL Job Number	Submitted	Client
60548	03/17/2011	CONVRS

Method: (M8015G), TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 031811NB1

Our Lab I.D.			60548.07				
Client Sample I.D.			B7@0.5				
Date Sampled			03/17/2011				
Date Prepared			03/18/2011				
Preparation Method			5035A				
Date Analyzed			03/18/2011				
Matrix			Soil				
Units			mg/Kg				
Dilution Factor			1				
Analytes	MDL	PQL	Results				
TPH as Gasoline and Light HC. (C4-C12)	0.100	1.000	ND				
Our Lab I.D.			60548.07				
Surrogates	%Rec.Limit		% Rec.				
Bromofluorobenzene	75-125		91.8				



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Project ID: 10-41-282-02

Project Name: San Fernando High School

AETL Job Number	Submitted	Client
60548	03/17/2011	CONVRS

Method: (M8015G), TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 032211NB1

Our Lab I.D.			Method Blank	60548.09	60548.10	60548.12	
Client Sample I.D.				B7@5.0	B8@0.5	B8@5.0	
Date Sampled				03/17/2011	03/17/2011	03/17/2011	
Date Prepared			03/22/2011	03/22/2011	03/22/2011	03/22/2011	
Preparation Method			5030	5035A	5035A	5035A	
Date Analyzed			03/22/2011	03/22/2011	03/22/2011	03/22/2011	
Matrix			Soil	Soil	Soil	Soil	
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	
Dilution Factor			1	1	1	1	
Analytes	MDL	PQL	Results	Results	Results	Results	
TPH as Gasoline and Light HC. (C4-C12)	0.100	1.000	ND	ND	ND	ND	
Our Lab I.D.			Method Blank	60548.09	60548.10	60548.12	
Surrogates	%Rec.Limit		% Rec.	% Rec.	% Rec.	% Rec.	
Bromofluorobenzene	75-125		91.6	95.8	94.6	91.2	



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Project ID: 10-41-282-02

Project Name: San Fernando High School

AETL Job Number	Submitted	Client
60548	03/17/2011	CONVRS

Method: (M8015D), TPH as Diesel and Heavy Hydrocarbons Using GC/FID

QC Batch No: 031811DB3

Our Lab I.D.			Method Blank	60548.01	60548.02		
Client Sample I.D.				B5@0.5	B5@2.0		
Date Sampled				03/17/2011	03/17/2011		
Date Prepared			03/18/2011	03/18/2011	03/18/2011		
Preparation Method			3550B	3550B	3550B		
Date Analyzed			03/18/2011	03/19/2011	03/19/2011		
Matrix			Soil	Soil	Soil		
Units			mg/Kg	mg/Kg	mg/Kg		
Dilution Factor			1	1	1		
Analytes	MDL	PQL	Results	Results	Results		
TPH as Diesel (C13-C22)	1.0	5.0	ND	ND	ND		
TPH as Heavy Hydrocarbons (C23-C40)	1.0	5.0	ND	ND	ND		
TPH Total as Diesel and Heavy HC.C13-C40	1.0	5.0	ND	ND	ND		
Our Lab I.D.			Method Blank	60548.01	60548.02		
Surrogates	%Rec.Limit		% Rec.	% Rec.	% Rec.		
Chlorobenzene	75-125		88.8	88.3	87.4		



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Project ID: 10-41-282-02

Project Name: San Fernando High School

AETL Job Number	Submitted	Client
60548	03/17/2011	CONVRS

Method: (M8015D), TPH as Diesel and Heavy Hydrocarbons Using GC/FID

QC Batch No: 031811DB3

Our Lab I.D.			60548.04				
Client Sample I.D.			B6@0.5				
Date Sampled			03/17/2011				
Date Prepared			03/18/2011				
Preparation Method			3550B				
Date Analyzed			03/19/2011				
Matrix			Soil				
Units			mg/Kg				
Dilution Factor			2				
Analytes	MDL	PQL	Results				
TPH as Diesel (C13-C22)	2.0	10	123				
TPH as Heavy Hydrocarbons (C23-C40)	2.0	10	842				
TPH Total as Diesel and Heavy HC.C13-C40	2.0	10	965				
Our Lab I.D.			60548.04				
Surrogates	%Rec.Limit		% Rec.				
Chlorobenzene	75-125		88.9				



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Project ID: 10-41-282-02

Project Name: San Fernando High School

AETL Job Number	Submitted	Client
60548	03/17/2011	CONVRS

Method: (M8015D), TPH as Diesel and Heavy Hydrocarbons Using GC/FID

QC Batch No: 031811DB3

Our Lab I.D.			60548.06	60548.07	60548.09	60548.10	60548.12
Client Sample I.D.			B6@5.0	B7@0.5	B7@5.0	B8@0.5	B8@5.0
Date Sampled			03/17/2011	03/17/2011	03/17/2011	03/17/2011	03/17/2011
Date Prepared			03/18/2011	03/18/2011	03/18/2011	03/18/2011	03/18/2011
Preparation Method			3550B	3550B	3550B	3550B	3550B
Date Analyzed			03/19/2011	03/19/2011	03/19/2011	03/19/2011	03/19/2011
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
TPH as Diesel (C13-C22)	1.0	5.0	ND	ND	ND	8.44	ND
TPH as Heavy Hydrocarbons (C23-C40)	1.0	5.0	10.7	13.1	ND	66.8	28.7
TPH Total as Diesel and Heavy HC.C13-C40	1.0	5.0	10.7	13.1	ND	75.2	28.7
Our Lab I.D.			60548.06	60548.07	60548.09	60548.10	60548.12
Surrogates	%Rec.Limit		% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Chlorobenzene	75-125		88.5	89.8	89.0	90.0	85.7



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Project ID: 10-41-282-02

Project Name: San Fernando High School

AETL Job Number	Submitted	Client
60548	03/17/2011	CONVRS

Method: (8081A), Organochlorine Pesticides by GC

QC Batch No: 032211MB1

Our Lab I.D.			Method Blank	60548.01	60548.02	60548.04	60548.06
Client Sample I.D.				B5@0.5	B5@2.0	B6@0.5	B6@5.0
Date Sampled				03/17/2011	03/17/2011	03/17/2011	03/17/2011
Date Prepared			03/22/2011	03/22/2011	03/22/2011	03/22/2011	03/22/2011
Preparation Method			3550B	3550B	3550B	3550B	3550B
Date Analyzed			03/22/2011	03/22/2011	03/22/2011	03/24/2011	03/22/2011
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Aldrin	1.0	2.0	ND	ND	ND	ND	ND
Chlordane (Total)	1.0	2.0	ND	11.8	ND	76.7	ND
Chlordane (alpha)	1.0	2.0	ND	6.64	ND	40.4	ND
4,4'-DDD (DDD)	1.0	2.0	ND	2.06	ND	70.1	7.37
4,4'-DDE (DDE)	1.0	2.0	ND	94.2	1.76J	965	ND
4,4'-DDT (DDT)	1.0	2.0	ND	20.6	ND	1,970	18.7
Dieldrin	1.0	2.0	ND	ND	ND	ND	ND
Endosulfan 1	1.0	2.0	ND	ND	ND	ND	ND
Endosulfan 11	1.0	2.0	ND	ND	ND	ND	ND
Endosulfan sulfate	1.0	2.0	ND	ND	ND	ND	ND
Endrin	1.0	2.0	ND	ND	ND	ND	ND
Endrin aldehyde	1.0	2.0	ND	ND	ND	ND	ND
Endrin ketone	1.0	2.0	ND	ND	ND	ND	ND
Chlordane (gamma)	1.0	2.0	ND	5.19	ND	36.3	ND
Heptachlor	1.0	2.0	ND	ND	ND	ND	ND
Heptachlor epoxide	1.0	2.0	ND	ND	ND	ND	ND
alpha-Hexachlorocyclohexane (Alpha-BHC)	1.0	2.0	ND	ND	ND	ND	ND
beta-Hexachlorocyclohexane (Betta-BHC)	1.0	2.0	ND	ND	ND	ND	ND
delta-Hexachlorocyclohexane (Delta-BHC)	1.0	2.0	ND	ND	ND	ND	ND
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	1.0	2.0	ND	ND	ND	ND	ND
Methoxychlor	5.0	10.0	ND	ND	ND	ND	ND
Toxaphene	85.0	170.0	ND	ND	ND	ND	ND



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Project ID: 10-41-282-02

Project Name: San Fernando High School

AETL Job Number	Submitted	Client
60548	03/17/2011	CONVRS

Method: (8081A), Organochlorine Pesticides by GC

Our Lab I.D.			Method Blank	60548.01	60548.02	60548.04	60548.06
Surrogates	%Rec.Limit		% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Decachlorobiphenyl	30-150		120	105	113	138	114
Tetrachloro-m-xylene	30-150		108	108	114	127	106



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Project ID: 10-41-282-02

Project Name: San Fernando High School

AETL Job Number	Submitted	Client
60548	03/17/2011	CONVRS

Method: (8081A), Organochlorine Pesticides by GC

QC Batch No: 032211MB1

Our Lab I.D.			60548.07	60548.09	60548.10	60548.12	60548.21
Client Sample I.D.			B7@0.5	B7@5.0	B8@0.5	B8@5.0	Composite 1 @0.5
Date Sampled			03/17/2011	03/17/2011	03/17/2011	03/17/2011	03/17/2011
Date Prepared			03/22/2011	03/22/2011	03/22/2011	03/22/2011	03/22/2011
Preparation Method			3550B	3550B	3550B	3550B	3550B
Date Analyzed			03/22/2011	03/22/2011	03/22/2011	03/22/2011	03/22/2011
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Aldrin	1.0	2.0	ND	ND	ND	ND	ND
Chlordane (Total)	1.0	2.0	31.8	ND	6.60	1.85J	18.3
Chlordane (alpha)	1.0	2.0	17.6	ND	3.59	1.05J	9.91
4,4'-DDD (DDD)	1.0	2.0	36.4	ND	2.35	ND	20.5
4,4'-DDE (DDE)	1.0	2.0	308	ND	46.6	5.15	168
4,4'-DDT (DDT)	1.0	2.0	408	ND	28.3	3.84	200
Dieldrin	1.0	2.0	ND	ND	2.34	ND	ND
Endosulfan I	1.0	2.0	ND	ND	ND	ND	ND
Endosulfan II	1.0	2.0	ND	ND	ND	ND	ND
Endosulfan sulfate	1.0	2.0	ND	ND	ND	ND	ND
Endrin	1.0	2.0	ND	ND	ND	ND	ND
Endrin aldehyde	1.0	2.0	ND	ND	ND	ND	ND
Endrin ketone	1.0	2.0	ND	ND	ND	ND	ND
Chlordane (gamma)	1.0	2.0	14.2	ND	3.01	ND	8.35
Heptachlor	1.0	2.0	ND	ND	ND	ND	ND
Heptachlor epoxide	1.0	2.0	ND	ND	ND	ND	ND
alpha-Hexachlorocyclohexane (Alpha-BHC)	1.0	2.0	ND	ND	ND	ND	ND
beta-Hexachlorocyclohexane (Beta-BHC)	1.0	2.0	ND	ND	ND	ND	ND
delta-Hexachlorocyclohexane (Delta-BHC)	1.0	2.0	ND	ND	ND	ND	ND
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	1.0	2.0	ND	ND	ND	ND	ND
Methoxychlor	5.0	10.0	ND	ND	ND	ND	ND
Toxaphene	85.0	170.0	ND	ND	ND	ND	ND



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Project ID: 10-41-282-02

Project Name: San Fernando High School

AETL Job Number	Submitted	Client
60548	03/17/2011	CONVRS

Method: (8081A), Organochlorine Pesticides by GC

Our Lab I.D.			60548.07	60548.09	60548.10	60548.12	60548.21
Surrogates	%Rec.Limit		% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Decachlorobiphenyl	30-150		107	100	119	109	105
Tetrachloro-m-xylene	30-150		94.0	74.6	93.8	94.6	106



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Project ID: 10-41-282-02

Project Name: San Fernando High School

AETL Job Number	Submitted	Client
60548	03/17/2011	CONVRS

Method: (6010B/7000CAM), CAM Title 22 Metals (SW-846)

QC Batch No: 0321112C1

Our Lab I.D.			Method Blank	60548.01	60548.02	60548.04	60548.06
Client Sample I.D.				B5@0.5	B5@2.0	B6@0.5	B6@5.0
Date Sampled				03/17/2011	03/17/2011	03/17/2011	03/17/2011
Date Prepared			03/21/2011	03/21/2011	03/21/2011	03/21/2011	03/21/2011
Preparation Method			3050B	3050B	3050B	3050B	3050B
Date Analyzed			03/21/2011	03/21/2011	03/21/2011	03/21/2011	03/21/2011
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Antimony	1.0	5.0	ND	ND	ND	ND	ND
Arsenic	1.0	5.0	ND	ND	ND	12.7	ND
Barium	2.5	5.0	ND	79.9	139	117	173
Beryllium	1.3	2.5	ND	ND	ND	ND	ND
Cadmium	1.3	2.5	ND	ND	ND	ND	ND
Chromium	2.5	5.0	ND	12.2	15.8	14.5	13.2
Cobalt	2.5	5.0	ND	6.28	11.3	8.52	10.4
Copper	2.5	5.0	ND	13.3	11.7	22.6	18.7
Lead	2.5	5.0	ND	35.6	2.52J	72.2	43.0
Mercury (By EPA 7471)	0.1	0.2	ND	ND	ND	ND	ND
Molybdenum	2.5	5.0	ND	ND	ND	ND	ND
Nickel	2.5	5.0	ND	7.65	9.02	9.59	7.42
Selenium	1.0	5.0	ND	ND	ND	ND	ND
Silver	2.5	5.0	ND	ND	ND	ND	ND
Thallium	1.0	5.0	ND	ND	ND	ND	ND
Vanadium	2.5	5.0	ND	19.2	28.7	23.2	29.7
Zinc	2.5	5.0	ND	182	39.9	167	53.0



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Project ID: 10-41-282-02

Project Name: San Fernando High School

AETL Job Number	Submitted	Client
60548	03/17/2011	CONVRS

Method: (6010B/7000CAM), CAM Title 22 Metals (SW-846)

QC Batch No: 0321112C1

Our Lab I.D.			60548.07	60548.09	60548.10	60548.12	
Client Sample I.D.			B7@0.5	B7@5.0	B8@0.5	B8@5.0	
Date Sampled			03/17/2011	03/17/2011	03/17/2011	03/17/2011	
Date Prepared			03/21/2011	03/21/2011	03/21/2011	03/21/2011	
Preparation Method			3050B	3050B	3050B	3050B	
Date Analyzed			03/21/2011	03/21/2011	03/21/2011	03/21/2011	
Matrix			Soil	Soil	Soil	Soil	
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	
Dilution Factor			1	1	1	1	
Analytes	MDL	PQL	Results	Results	Results	Results	
Antimony	1.0	5.0	ND	ND	ND	ND	
Arsenic	1.0	5.0	6.73	ND	6.13	ND	
Barium	2.5	5.0	122	122	136	135	
Beryllium	1.3	2.5	ND	ND	ND	ND	
Cadmium	1.3	2.5	1.60J	ND	ND	ND	
Chromium	2.5	5.0	13.9	5.58	14.7	16.5	
Cobalt	2.5	5.0	8.31	7.03	9.76	10.9	
Copper	2.5	5.0	23.5	10.5	21.7	14.3	
Lead	2.5	5.0	139	ND	49.0	12.7	
Mercury (By EPA 7471)	0.1	0.2	ND	ND	ND	ND	
Molybdenum	2.5	5.0	ND	ND	ND	ND	
Nickel	2.5	5.0	8.60	4.18J	8.98	8.65	
Selenium	1.0	5.0	ND	ND	ND	ND	
Silver	2.5	5.0	ND	ND	ND	ND	
Thallium	1.0	5.0	ND	ND	ND	ND	
Vanadium	2.5	5.0	22.7	17.1	26.1	30.0	
Zinc	2.5	5.0	211	27.6	92.0	50.4	



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Project ID: 10-41-282-02

Project Name: San Fernando High School

AETL Job Number	Submitted	Client
60548	03/17/2011	CONVRS

Method: (6010B.LEAD), Lead, ICP

QC Batch No: 0321112C1

Our Lab I.D.			Method Blank	60548.13	60548.15	60548.17	60548.19
Client Sample I.D.				B1@0.5	B2@0.5	B3@0.5	B4@0.5
Date Sampled				03/17/2011	03/17/2011	03/17/2011	03/17/2011
Date Prepared			03/21/2011	03/21/2011	03/21/2011	03/21/2011	03/21/2011
Preparation Method			3050B	3050B	3050B	3050B	3050B
Date Analyzed			03/21/2011	03/21/2011	03/21/2011	03/21/2011	03/21/2011
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Lead	2.5	5.0	ND	70.5	21.8	498	244



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Suite 211
Monrovia, CA 91016-8006

San Fernando, CA

Telephone: (626)930-1200

Attn: Michael Van Fleet

Page: 15

Project ID: 10-41-282-02

Project Name: San Fernando High School

AETL Job Number	Submitted	Client
60548	03/17/2011	CONVRS

Method: (6010B.LEAD), Lead, ICP

QC Batch No: 0321112C1; Dup or Spiked Sample: 60548.01; LCS: Clean Sand; QC Prepared: 03/21/2011; QC Analyzed: 03/21/2011;
Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Lead	35.6	50.0	84.8	98.4	50.0	86.0	101	2.61	80-120	<15

QC Batch No: 0321112C1; Dup or Spiked Sample: 60548.01; LCS: Clean Sand; QC Prepared: 03/21/2011; QC Analyzed: 03/21/2011;
Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS/LCSD % Limit						
Lead	50.0	48.5	97.0	80-120						



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Project ID: 10-41-282-02

Project Name: San Fernando High School

AETL Job Number	Submitted	Client
60548	03/17/2011	CONVRS

Method: (6010B/7000CAM), CAM Title 22 Metals (SW-846)

QC Batch No: 0321112C1; Dup or Spiked Sample: 60548.01; LCS: Clean Sand; QC Prepared: 03/21/2011; QC Analyzed: 03/21/2011;
Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Antimony	0.00	50.0	47.5	95.0	50.0	48.1	96.2	1.26	80-120	<15
Arsenic	0.00	50.0	49.1	98.2	50.0	49.7	99.4	1.21	80-120	<15
Barium	79.9	50.0	123	86.2	50.0	122	84.2	2.35	80-120	<15
Beryllium	0.00	50.0	51.2	102	50.0	50.6	101	<1	80-120	<15
Cadmium	0.00	50.0	46.8	93.6	50.0	46.2	92.4	1.29	80-120	<15
Chromium	12.2	50.0	59.2	94.0	50.0	58.7	93.0	1.07	80-120	<15
Cobalt	6.28	50.0	51.2	89.8	50.0	51.7	90.8	1.11	80-120	<15
Copper	13.3	50.0	62.4	98.2	50.0	61.8	97.0	1.23	80-120	<15
Lead	35.6	50.0	84.8	98.4	50.0	86.0	101	2.61	80-120	<15
Mercury (By EPA 7471)	0.00	0.500	0.525	105	0.500	0.515	103	1.9	80-120	<15
Molybdenum	0.00	50.0	47.6	95.2	50.0	48.3	96.6	1.46	80-120	<15
Nickel	7.65	50.0	52.8	90.3	50.0	52.3	89.3	1.11	80-120	<15
Selenium	0.00	50.0	46.9	93.8	50.0	46.9	93.8	<1	80-120	<15
Silver	0.00	50.0	46.1	92.2	50.0	45.5	91.0	1.31	80-120	<15
Thallium	0.00	50.0	40.7	81.4	50.0	41.0	82.0	<1	80-120	<15
Vanadium	19.2	50.0	66.0	93.6	50.0	65.4	92.4	1.29	80-120	<15
Zinc	182	50.0	231	98.0	50.0	229	94.0	4.17	80-120	<15

QC Batch No: 0321112C1; Dup or Spiked Sample: 60548.01; LCS: Clean Sand; QC Prepared: 03/21/2011; QC Analyzed: 03/21/2011;
Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS/LCSD % Limit						
Antimony	50.0	48.8	97.6	80-120						
Arsenic	50.0	48.3	96.6	80-120						
Barium	50.0	48.5	97.0	80-120						
Beryllium	50.0	53.1	106	80-120						
Cadmium	50.0	49.2	98.4	80-120						
Chromium	50.0	49.2	98.4	80-120						
Cobalt	50.0	48.8	97.6	80-120						
Copper	50.0	48.0	96.0	80-120						
Lead	50.0	48.5	97.0	80-120						



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Project ID: 10-41-282-02
Project Name: San Fernando High School

AETL Job Number	Submitted	Client
60548	03/17/2011	CONVRS

Method: (6010B/7000CAM), CAM Title 22 Metals (SW-846)

QC Batch No: 0321112C1; Dup or Spiked Sample: 60548.01; LCS: Clean Sand; QC Prepared: 03/21/2011; QC Analyzed: 03/21/2011;
Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS/LCSD % Limit						
Mercury (By EPA 7471)	0.500	0.530	106	80-120						
Molybdenum	50.0	49.1	98.2	80-120						
Nickel	50.0	48.9	97.8	80-120						
Selenium	50.0	48.5	97.0	80-120						
Silver	50.0	47.7	95.4	80-120						
Thallium	50.0	48.5	97.0	80-120						
Vanadium	50.0	49.2	98.4	80-120						
Zinc	50.0	48.7	97.4	80-120						



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Page: 18

Project ID: 10-41-282-02

Project Name: San Fernando High School

AETL Job Number	Submitted	Client
60548	03/17/2011	CONVRS

Method: (8081A), Organochlorine Pesticides by GC

QC Batch No: 032211MB1; Dup or Spiked Sample: 60548.09; LCS: Clean Sand; QC Prepared: 03/22/2011; QC Analyzed: 03/22/2011;
Units: ug/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Aldrin	0.00	20.0	16.9	84.5	20.0	17.8	89.0	5.19	40-150	<40
4,4'-DDT (DDT)	0.00	50.0	42.3	84.6	50.0	45.0	90.0	6.19	40-150	<40
Dieldrin	0.00	50.0	45.2	90.4	50.0	47.5	95.0	4.96	40-150	<40
Endrin	0.00	50.0	61.7	123	50.0	63.3	127	3.20	40-150	<40
Heptachlor	0.00	20.0	16.5	82.5	20.0	17.3	86.5	4.73	40-150	<40
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	0.00	20.0	16.2	81.0	20.0	17.0	85.0	4.82	40-150	<40
Surrogates										
Decachlorobiphenyl	0.00	50.0	53.6	107	50.0	55.6	111	3.74	30-150	<40
Tetrachloro-m-xylene	0.00	50.0	56.6	113	50.0	61.8	124	9.73	30-150	<40

QC Batch No: 032211MB1; Dup or Spiked Sample: 60548.09; LCS: Clean Sand; QC Prepared: 03/22/2011; QC Analyzed: 03/22/2011;
Units: ug/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS/LCSD % Limit						
Aldrin	20.0	16.4	82.0	50-150						
4,4'-DDT (DDT)	50.0	45.8	91.6	50-150						
Dieldrin	50.0	45.1	90.2	50-150						
Endrin	50.0	64.5	129	50-150						
Heptachlor	20.0	16.4	82.0	50-150						
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	20.0	16.1	80.5	50-150						
Surrogates										
Decachlorobiphenyl	50.0	55.2	110	30-150						
Tetrachloro-m-xylene	50.0	56.9	114	30-150						



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Attn: Michael Van Fleet

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Project ID: 10-41-282-02

Project Name: San Fernando High School

AETL Job Number	Submitted	Client
60548	03/17/2011	CONVRS

Method: (M8015D), TPH as Diesel and Heavy Hydrocarbons Using GC/FID

QC Batch No: 031811DB3; Dup or Spiked Sample: 60548.02; LCS: Clean Sand; QC Prepared: 03/18/2011; MS Analyzed: 03/19/2011;
LCS Analyzed: 03/18/2011; Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
TPH as Diesel (C13-C22)	0.00	500	499	99.8	500	504	101	1.20	75-125	<20
Surrogates										
Chlorobenzene	0.00	100	86.3	86.3	100	87.3	87.3	1.16	75-125	<20

QC Batch No: 031811DB3; Dup or Spiked Sample: 60548.02; LCS: Clean Sand; QC Prepared: 03/18/2011; MS Analyzed: 03/19/2011;
LCS Analyzed: 03/18/2011; Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS/LCSD % Limit						
TPH as Diesel (C13-C22)	500	482	96.4	75-125						
Surrogates										
Chlorobenzene	100	87.2	87.2	75-125						



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Project ID: 10-41-282-02

Project Name: San Fernando High School

AETL Job Number	Submitted	Client
60548	03/17/2011	CONVRS

Method: (M8015G), TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 031811NB1; Dup or Spiked Sample: B031811NB1; LCS: Clean Sand; QC Prepared: 03/18/2011; QC Analyzed: 03/18/2011;
Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
TPH as Gasoline and Light HC. (C4-C12)	0.00	1.00	1.14 X	114	1.00	1.10 X	110	3.6	75-125	<20
Surrogates										
Bromofluorobenzene	0.00	0.0500	0.0520X	104	0.0500	0.0488X	97.6	6.3	75-125	<20



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Attn: Michael Van Fleet

Page: 21

Project ID: 10-41-282-02

Project Name: San Fernando High School

AETL Job Number	Submitted	Client
60548	03/17/2011	CONVRS

Method: (M8015G), TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 032211NB1; Dup or Spiked Sample: B032211NB1; LCS: Clean Sand; QC Prepared: 03/22/2011; QC Analyzed: 03/23/2011;
Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
TPH as Gasoline and Light HC. (C4-C12)	0.00	1.00	0.890	88.9	1.00	0.810	81.1	9.18	75-125	<20
Surrogates										
Bromofluorobenzene	0.00	0.0500	0.0519	104	0.0500	0.0482	96.4	7.31	75-125	<20

QC Batch No: 032211NB1; Dup or Spiked Sample: B032211NB1; LCS: Clean Sand; QC Prepared: 03/22/2011; QC Analyzed: 03/23/2011;
Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS/LCSD % Limit						
TPH as Gasoline and Light HC. (C4-C12)	1.00	0.950	94.7	75-125						
Surrogates										
Bromofluorobenzene	0.0500	0.0506	101	75-125						



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Data Qualifiers and Descriptors

Data Qualifier:

∗:	In the QC section, sample results have been taken directly from the ICP reading. No preparation factor has been applied.
B:	Analyte was present in the Method Blank.
D:	Result is from a diluted analysis.
E:	Result is beyond calibration limits and is estimated.
H:	Analysis was performed over the allowed holding time due to circumstances which were beyond laboratory control.
J:	Analyte was detected . However, the analyte concentration is an estimated value, which is between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL).
M:	Matrix spike recovery is outside control limits due to matrix interference. Laboratory Control Sample recovery was acceptable.
MCL:	Maximum Contaminant Level
NS:	No Standard Available
S6:	Surrogate recovery is outside control limits due to matrix interference.
S8:	The analysis of the sample required a dilution such that the surrogate concentration was diluted below the method acceptance criteria.
X:	Results represent LCS and LCSD data.

Definition:

%Limi:	Percent acceptable limits.
%REC:	Percent recovery.
Con.L:	Acceptable Control Limits
Conce:	Added concentration to the sample.
LCS:	Laboratory Control Sample
MDL:	Method Detection Limit is a statistically derived number which is specific for each instrument, each method, and each compound. It indicates a distinctively detectable quantity with 99% probability.



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Data Qualifiers and Descriptors

MS: Matrix Spike

MS DU: Matrix Spike Duplicate

ND: Analyte was not detected in the sample at or above MDL.

PQL: Practical Quantitation Limit or ML (Minimum Level as per RWQCB) is the minimum concentration that can be quantified with more than 99% confidence. Taking into account all aspects of the entire analytical instrumentation and practice.

Recov: Recovered concentration in the sample.

RPD: Relative Percent Difference



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Number of Pages 12
Date Received 03/17/2011
Date Reported 03/29/2011

Telephone: (626)930-1200
Attention: Michael Van Fleet

Job Number	Order Date	Client
60632	03/25/2011	CONVRS

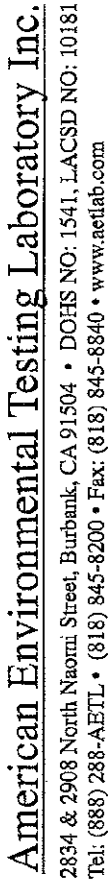
Project ID: 10-41-282-02
Project Name: San Fernando High School
Site: San Fernando, CA

Enclosed please find results of analyses of 6 soil samples which were analyzed as specified on the attached chain of custody. If there are any questions, please do not hesitate to call.

Checked By: _____

Approved By: _____

Cyrus Razmara, Ph.D.
Laboratory Director






No. 72531

AETL JOB No. 605488

COMPANY	CONVERSE CONSULTANTS	PROJECT MANAGER	MIKE VAN FLEET
COMPANY ADDRESS	222 E Huntington Pr, Menloville, CA	PHONE	(269) 301 200
		FAX	(269) 301 212
PROJECT NAME	SAN FERNANDO HS	PROJECT #	10428202
SITE NAME	SAN FERNANDO	PO #	
AND ADDRESS			

SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.
1 B5 Q0.5	60548.01	03/17/11	0906	SDN	200004	10
2 ↓ Q2.0	60548.02		0908			1
3 ↓ Q5.0	60548.03		0912			
4 B6 Q0.5	60548.04		0918			
5 ↓ Q2.0	60548.05		0920			
6 ↓ Q5.0	60548.06		0924			
7 B7 Q0.5	60548.07		0934			
8 ↓ Q2.0	60548.08		0936			
9 ↓ Q5.0	60548.09		0942			
10 B8 Q0.5	60548.10		0954			
11 ↓ Q2.0	60548.11		0956			
12 ↓ Q5.0	60548.12		1003			
13						
14						
15						

SAMPLE RECEIPT - TO BE FILLED BY LABORATORY				RELINQUISHED BY SAMPLER:
TOTAL NUMBER OF CONTAINERS	24	PROPERLY COOLED	Y / N / NA	Signature 
CUSTODY SEALS Y / N / NA		SAMPLES INTACT	Y / N / NA	Print Name <u>R. D. Anderson</u>
RECEIVED IN GOOD COND. Y / N		SAMPLES ACCEPTED	Y / N	Date <u>03/17/11</u>
TURN AROUND TIME				RECEIVED BY:

<input checked="" type="checkbox"/> NORMAL	<input type="checkbox"/> RUSH	<input type="checkbox"/> SAME DAY <input type="checkbox"/> NEXT DAY	<input type="checkbox"/> 2 DAYS <input type="checkbox"/> 3 DAYS
Signature: _____			
Printed Name: _____			
Date: _____			

[illegible]

DISTRIBUTION: WHITE - Laboratory, CANARY - Laboratory, PINK - Project/Account Manager, YELLOW - Sampler/Originator



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CHAIN OF CUSTODY RECORD

No 72530

60632

Page 1 of 2

AETL JOB No.

60548

PROJECT MANAGER

COMPANY CONVIR CONSULTING PROJECT MANAGER Mike Van Fleet
COMPANY ADDRESS 222 E Huntington Dr, Monrovia, CA 91016 PHONE 626 930 1200 FAX 626 930 1212
PROJECT NAME San Fernando HJ PROJECT # 104128202
SITE NAME San Fernando PO #
AND ADDRESS

ANALYSIS REQUESTED

TEST INSTRUCTIONS & COMMENTS

SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.	60108 lead	8051A XRF	Archive	LSAD 60108	TCU LSAD	STP LSAD	
B100.5	60578.13	03/17/11	0840	500	severe	10	X						*-Added 3/25 2-DAYS
B102.0	60578.14		0842				X						
B200.5	60578.15		0850				X						
B202.0	60578.16		0852				X						
B300.5	60578.17		0855				X						60632.03
B302.0	60578.18		0857				X						60632.04
B400.5	60578.19		0900				X						60632.05
B402.0	60578.20		0902				X						60632.06
composite 100.5-60578.21							X						composite 100.5 prepared by lab from B100.5, B200.5, B300.5 and B400.5

SAMPLE RECEIPT - TO BE FILLED BY LABORATORY

TOTAL NUMBER OF CONTAINERS	8	PROPERLY COOLED	Y/N/NA
CUSTODY SEALS	Y/N/NA	SAMPLES INTACT	Y/N/NA
RECEIVED IN GOOD CONDITION	Y/N	SAMPLES ACCEPTED	Y/N

TURN AROUND TIME

☒ NORMAL ☐ RUSH ☐ SAME DAY ☐ 2 DAYS ☐ 3 DAYS

RELINQUISHED BY SAMPLE:	1.	RELINQUISHED BY:	2.	RELINQUISHED BY:	3.
Signature:	<i>[Signature]</i>	Signature:		Signature:	
Printed Name:	Monrovia	Printed Name:		Printed Name:	
Date:	03/17/11	Date:		Date:	
Time:	1035	Time:		Time:	
RECEIVED BY:	1.	RECEIVED BY:	2.	RECEIVED BY:	3.
Signature:		Signature:		Signature:	
Printed Name:		Printed Name:		Printed Name:	
Date:		Date:		Date:	
Time:		Time:		Time:	

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ANALYTICAL RESULTS

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San Fernando, CA

Telephone: (626)930-1200

Attn: Michael Van Fleet

Page: 2

Project ID: 10-41-282-02

Project Name: San Fernando High School

AETL Job Number	Submitted	Client
60632	03/17/2011	CONVRS

Method: (8081A), Organochlorine Pesticides by GC

QC Batch No: 032811MB1

Our Lab I.D.			Method Blank	60632.01			
Client Sample I.D.				B6@2.0			
Date Sampled				03/17/2011			
Date Prepared			03/28/2011	03/28/2011			
Preparation Method			3550B	3550B			
Date Analyzed			03/28/2011	03/28/2011			
Matrix			Soil	Soil			
Units			ug/Kg	ug/Kg			
Dilution Factor			1	1			
Analytes	MDL	PQL	Results	Results			
Aldrin	1.0	2.0	ND	ND			
Chlordane (Total)	1.0	2.0	ND	ND			
Chlordane (alpha)	1.0	2.0	ND	ND			
4,4'-DDD (DDD)	1.0	2.0	ND	ND			
4,4'-DDE (DDE)	1.0	2.0	ND	1.38J			
4,4'-DDT (DDT)	1.0	2.0	ND	ND			
Dieldrin	1.0	2.0	ND	ND			
Endosulfan 1	1.0	2.0	ND	ND			
Endosulfan 11	1.0	2.0	ND	ND			
Endosulfan sulfate	1.0	2.0	ND	ND			
Endrin	1.0	2.0	ND	ND			
Endrin aldehyde	1.0	2.0	ND	ND			
Endrin ketone	1.0	2.0	ND	ND			
Chlordane (gamma)	1.0	2.0	ND	ND			
Heptachlor	1.0	2.0	ND	ND			
Heptachlor epoxide	1.0	2.0	ND	ND			
alpha-Hexachlorocyclohexane (Alpha-BHC)	1.0	2.0	ND	ND			
beta-Hexachlorocyclohexane (Betta-BHC)	1.0	2.0	ND	ND			
delta-Hexachlorocyclohexane (Delta-BHC)	1.0	2.0	ND	ND			
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	1.0	2.0	ND	ND			
Methoxychlor	5.0	10.0	ND	ND			
Toxaphene	85.0	170.0	ND	ND			



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ANALYTICAL RESULTS

Page: 3

Project ID: 10-41-282-02

Project Name: San Fernando High School

AETL Job Number	Submitted	Client
60632	03/17/2011	CONVRS

Method: (8081A), Organochlorine Pesticides by GC

Our Lab I.D.			Method Blank	60632.01			
Surrogates	%Rec.Limit		% Rec.	% Rec.			
Decachlorobiphenyl	30-150		107	112			
Tetrachloro-m-xylene	30-150		119	121			



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Page: 4

Project ID: 10-41-282-02

Project Name: San Fernando High School

AETL Job Number	Submitted	Client
60632	03/17/2011	CONVRS

Method: (6010BSCAN), Arsenic by ICP

QC Batch No: 0325112C1

Our Lab I.D.		Method Blank	60632.01			
Client Sample I.D.			B6@2.0			
Date Sampled			03/17/2011			
Date Prepared		03/25/2011	03/25/2011			
Preparation Method		3050B	3050B			
Date Analyzed		03/25/2011	03/25/2011			
Matrix		Soil	Soil			
Units		mg/Kg	mg/Kg			
Dilution Factor		1	1			
Analytes	MDL	PQL	Results	Results		
Arsenic	2.5	5.0	ND	ND		



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Project ID: 10-41-282-02

Project Name: San Fernando High School

AETL Job Number	Submitted	Client
60632	03/17/2011	CONVRS

Method: (6010B.LEAD), Lead, ICP

QC Batch No: 0325112C1

Our Lab I.D.			Method Blank	60632.02	60632.04	60632.06	
Client Sample I.D.				B7@2.0	B3@2.0	B4@2.0	
Date Sampled				03/17/2011	03/17/2011	03/17/2011	
Date Prepared			03/25/2011	03/25/2011	03/25/2011	03/25/2011	
Preparation Method			3050B	3050B	3050B	3050B	
Date Analyzed			03/25/2011	03/25/2011	03/25/2011	03/25/2011	
Matrix			Soil	Soil	Soil	Soil	
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	
Dilution Factor			1	1	1	1	
Analytes	MDL	PQL	Results	Results	Results	Results	
Lead	2.5	5.0	ND	3.24J	2.99J	3.00J	



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Project ID: 10-41-282-02

Project Name: San Fernando High School

AETL Job Number	Submitted	Client
60632	03/17/2011	CONVRS

Method: (6010B-STLC), Soluble Threshold Limit Concentration (STLC)

QC Batch No: 032511

Our Lab I.D.			Method Blank	60632.03	60632.05		
Client Sample I.D.				B3@0.5	B4@0.5		
Date Sampled				03/17/2011	03/17/2011		
Date Prepared			03/25/2011	03/25/2011	03/25/2011		
Preparation Method			TITLE 22	TITLE 22	TITLE 22		
Date Analyzed			03/28/2011	03/28/2011	03/28/2011		
Matrix			Soil	Soil	Soil		
Units			mg/L	mg/L	mg/L		
Dilution Factor			1	1	1		
Analytes	MDL	PQL	Results	Results	Results		
Lead (STLC)	0.05	0.10	ND	0.720	46.5		



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Project ID: 10-41-282-02

Project Name: San Fernando High School

AETL Job Number	Submitted	Client
60632	03/17/2011	CONVRS

Method: (6010/7000TCLP), Toxicity Characteristic Leaching Procedure (TCLP,EPA 1311)

QC Batch No: 032511

Our Lab I.D.		Method Blank	60632.03	60632.05		
Client Sample I.D.			B3@0.5	B4@0.5		
Date Sampled			03/17/2011	03/17/2011		
Date Prepared		03/25/2011	03/25/2011	03/25/2011		
Preparation Method		1311	1311	1311		
Date Analyzed		03/28/2011	03/28/2011	03/28/2011		
Matrix		Soil	Soil	Soil		
Units		mg/L	mg/L	mg/L		
Dilution Factor		1	1	1		
Analytes	MDL	PQL	Results	Results	Results	
Lead (TCLP)	0.05	0.10	ND	ND	0.489	



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Project ID: 10-41-282-02

Project Name: San Fernando High School

AETL Job Number	Submitted	Client
60632	03/17/2011	CONVRS

Method: (6010/7000TCLP), Toxicity Characteristic Leaching Procedure (TCLP,EPA 1311)

QC Batch No: 032511; Dup or Spiked Sample: 60632.03; LCS: Clean Sand; LCS Prepared: 03/25/2011; LCS Analyzed: 03/28/2011;
Units: mg/L

Analytes	SM Result	SM DUP Result	RPD %	SM RPD % Limit	LCS Concen	LCS Recov	LCS % REC	LCS/LCSD % Limit		
Lead (TCLP)	ND	ND	<1	<20	1.00	0.946	94.6	80-120		



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Project ID: 10-41-282-02

Project Name: San Fernando High School

AETL Job Number	Submitted	Client
60632	03/17/2011	CONVRS

Method: (6010B-STLC), Soluble Threshold Limit Concentration (STLC)

QC Batch No: 032511; Dup or Spiked Sample: 60632.03; LCS: Clean Sand; LCS Prepared: 03/25/2011; LCS Analyzed: 03/28/2011;
Units: mg/L

Analytes	SM Result	SM DUP Result	RPD %	SM RPD % Limit	LCS Concen	LCS Recov	LCS % REC	LCS/LCSD % Limit		
Lead (STLC)	0.720	0.710	1.4	<20	1.00	0.968	96.8	80-120		



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Project ID: 10-41-282-02

Project Name: San Fernando High School

AETL Job Number	Submitted	Client
60632	03/17/2011	CONVRS

Method: (6010B.LEAD), Lead, ICP

QC Batch No: 0325112C1; Dup or Spiked Sample: 60620.01; LCS: Clean Sand; QC Prepared: 03/25/2011; QC Analyzed: 03/25/2011;
Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Lead	12.4	50.0	68.7	113	50.0	69.7	115	1.75	80-120	<15

QC Batch No: 0325112C1; Dup or Spiked Sample: 60620.01; LCS: Clean Sand; QC Prepared: 03/25/2011; QC Analyzed: 03/25/2011;
Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS/LCSD % Limit						
Lead	50.0	47.4	94.8	80-120						



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Project ID: 10-41-282-02

Project Name: San Fernando High School

AETL Job Number	Submitted	Client
60632	03/17/2011	CONVRS

Method: (6010BSCAN), Arsenic by ICP

QC Batch No: 0325112C1; Dup or Spiked Sample: 60620.01; LCS: Clean Sand; QC Prepared: 03/25/2011; QC Analyzed: 03/25/2011;
Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Arsenic	0.00	50.0	47.1	94.2	50.0	47.8	95.6	1.48	80-120	<15

QC Batch No: 0325112C1; Dup or Spiked Sample: 60620.01; LCS: Clean Sand; QC Prepared: 03/25/2011; QC Analyzed: 03/25/2011;
Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS/LCSD % Limit						
Arsenic	50.0	47.2	94.4	80-120						



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Project ID: 10-41-282-02

Project Name: San Fernando High School

AETL Job Number	Submitted	Client
60632	03/17/2011	CONVRS

Method: (8081A), Organochlorine Pesticides by GC

QC Batch No: 032811MB1; Dup or Spiked Sample: 60617.01; LCS: Clean Sand; QC Prepared: 03/28/2011; QC Analyzed: 03/28/2011;
Units: ug/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Aldrin	0.00	20.0	19.5	97.5	20.0	19.3	96.5	1.03	40-150	<40
4,4'-DDT (DDT)	9.41	50.0	60.8	103	50.0	56.6	94.4	8.71	40-150	<40
Dieldrin	9.88	50.0	67.6	115	50.0	64.9	110	4.44	40-150	<40
Endrin	0.00	50.0	74.3	149	50.0	74.4	149	<1	40-150	<40
Heptachlor	0.00	20.0	20.0	100	20.0	19.6	98.0	2.02	40-150	<40
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	0.00	20.0	17.5	87.5	20.0	17.5	87.5	<1	40-150	<40
Surrogates										
Decachlorobiphenyl	0.00	50.0	64.3	129	50.0	60.6	121	6.20	30-150	<40
Tetrachloro-m-xylene	0.00	50.0	70.3	141	50.0	65.8	132	6.38	30-150	<40

QC Batch No: 032811MB1; Dup or Spiked Sample: 60617.01; LCS: Clean Sand; QC Prepared: 03/28/2011; QC Analyzed: 03/28/2011;
Units: ug/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS/LCSD % Limit						
Aldrin	20.0	16.4	82.0	50-150						
4,4'-DDT (DDT)	50.0	42.9	85.8	50-150						
Dieldrin	50.0	44.2	88.4	50-150						
Endrin	50.0	64.6	129	50-150						
Heptachlor	20.0	17.4	87.0	50-150						
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	20.0	16.7	83.5	50-150						
Surrogates										
Decachlorobiphenyl	50.0	52.5	105	30-150						
Tetrachloro-m-xylene	50.0	57.6	115	30-150						



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Data Qualifiers and Descriptors

Data Qualifier:

∗:	In the QC section, sample results have been taken directly from the ICP reading. No preparation factor has been applied.
B:	Analyte was present in the Method Blank.
D:	Result is from a diluted analysis.
E:	Result is beyond calibration limits and is estimated.
H:	Analysis was performed over the allowed holding time due to circumstances which were beyond laboratory control.
J:	Analyte was detected . However, the analyte concentration is an estimated value, which is between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL).
M:	Matrix spike recovery is outside control limits due to matrix interference. Laboratory Control Sample recovery was acceptable.
MCL:	Maximum Contaminant Level
NS:	No Standard Available
S6:	Surrogate recovery is outside control limits due to matrix interference.
S8:	The analysis of the sample required a dilution such that the surrogate concentration was diluted below the method acceptance criteria.
X:	Results represent LCS and LCSD data.

Definition:

%Limi:	Percent acceptable limits.
%REC:	Percent recovery.
Con.L:	Acceptable Control Limits
Conce:	Added concentration to the sample.
LCS:	Laboratory Control Sample
MDL:	Method Detection Limit is a statistically derived number which is specific for each instrument, each method, and each compound. It indicates a distinctively detectable quantity with 99% probability.



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Data Qualifiers and Descriptors

MS: Matrix Spike

MS DU: Matrix Spike Duplicate

ND: Analyte was not detected in the sample at or above MDL.

PQL: Practical Quantitation Limit or ML (Minimum Level as per RWQCB) is the minimum concentration that can be quantified with more than 99% confidence. Taking into account all aspects of the entire analytical instrumentation and practice.

Recov: Recovered concentration in the sample.

RPD: Relative Percent Difference



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APPENDIX D

Noise Study

NOISE STUDY

**SAN FERNANDO HIGH SCHOOL TEEN CENTER
COUNTY OF LOS ANGELES, CALIFORNIA**

Prepared for:

Los Angeles County Department of Public Works

900 So. Fremont Avenue, 5th Floor
Alhambra, CA 91803-1331

Prepared by:



UltraSystems Environmental

16431 Scientific Way
Irvine, California 92618

January 2013

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1.0 INTRODUCTION

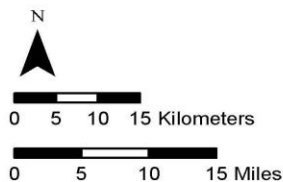
The County of Los Angeles Department of Public Works is preparing to construct a school-based Teen Health Center to be operated within the premises of Los Angeles Unified School District's (LAUSD) San Fernando High School, located within the City of Los Angeles. **Figure 1**, *Regional Map* and **Figure 2**, *Vicinity Map*, present a regional map of the project study area and a map of the area surrounding the project, respectively.

The objective of this report is to assess the impacts of noise from the project on the surrounding community. The following analysis provides a discussion of the fundamentals of sound; an examination of federal, state and local noise guidelines and policies; a review of existing conditions; an evaluation of potential noise impacts associated with the proposed project; and the mitigation for all identified significant or potentially significant impacts.



Source: Bing Maps, 2010; ESRI Street Map, 2009; County of Los Angeles, 2010; Ultrasystems Environmental, Inc., 2012

March 15, 2012



Legend

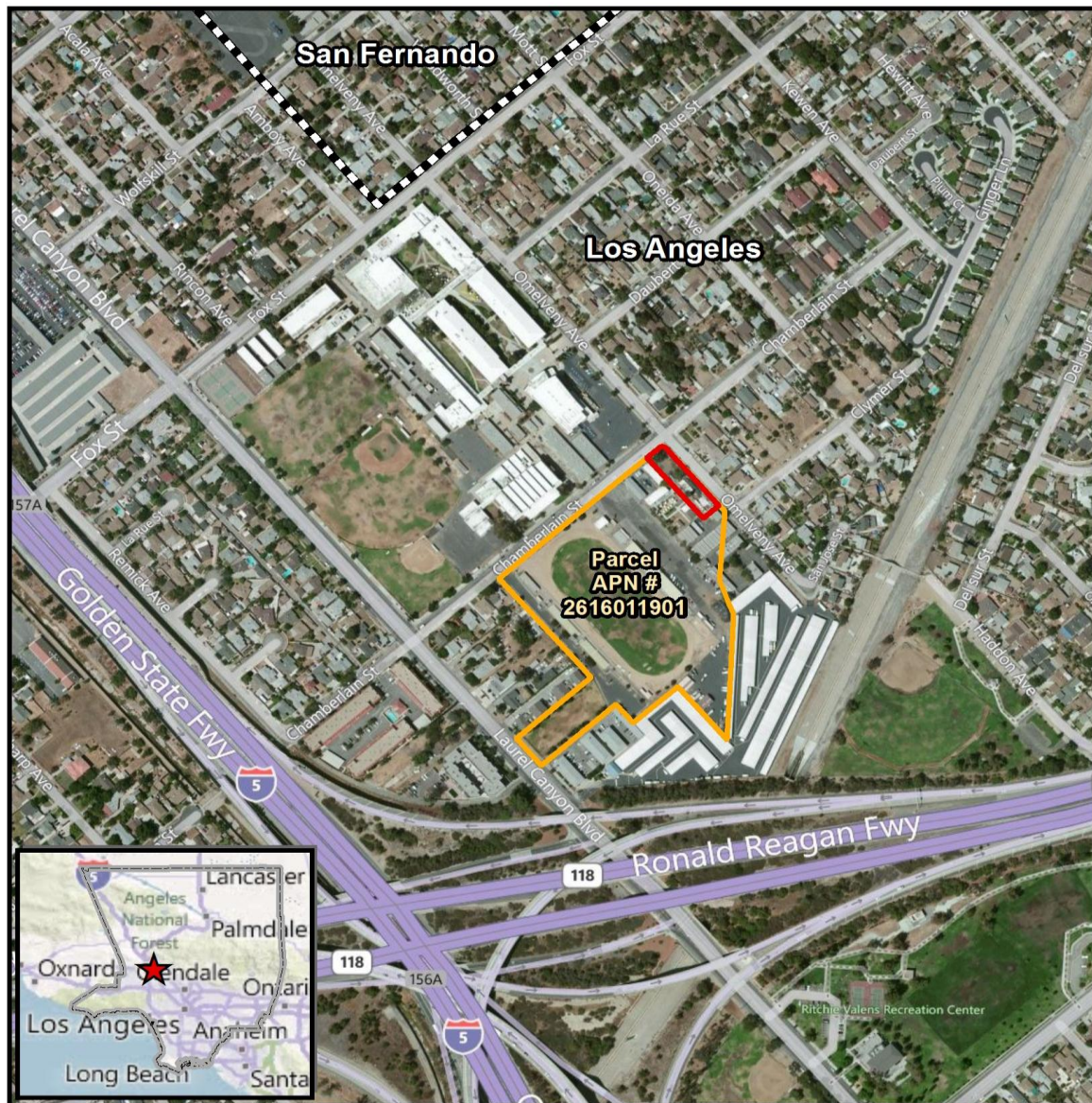
- ★ Project Location
- LA County Boundary

**San Fernando High School
Teen Center**

Regional Map

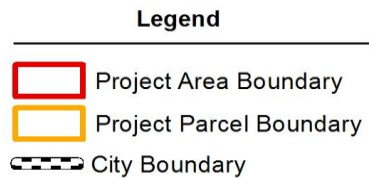
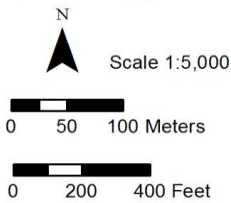


**Figure 1
Regional Map**



Source: Los Angeles County, 2011; Bing Maps, 2011; UltraSystems Environmental, Inc., 2011.

November 1, 2011



**San Fernando
H. S. Health Center
Project Location Map**
Map displaying parcel
identification and project
site location in relationship
to the local geography



**Figure 2
Vicinity Map**

2.0 BACKGROUND INFORMATION

2.1 Characteristics of Sound

Sound is a pressure wave transmitted through the air. It is described in terms of loudness or amplitude (measured in decibels), frequency or pitch (measured in hertz [Hz] or cycles per second), and duration (measured in seconds or minutes). The decibel (dB) scale is a logarithmic scale that describes the physical intensity of the pressure vibrations that make up any sound. The pitch of the sound is related to the frequency of the pressure vibration. Because the human ear is not equally sensitive to all frequencies, a special frequency-dependent rating scale is used to relate noise to human sensitivity. The A-weighted decibel scale (dBA) provides this compensation by discriminating against upper and lower frequencies in a manner approximating the sensitivity of the human ear. The scale is based on a reference pressure level of 20 micropascals (zero dBA). The scale ranges from zero (for the average least perceptible sound) to about 130 (for the average human pain level).

The normal range of conversation is between 34 and 66 dBA. Between 70 and 90 dBA, sound is distracting and presents an obstacle to conversation, thinking, or learning. Above 90 dBA, sound can cause permanent hearing loss. Examples of various sound levels in different environments are shown in **Table 1, Typical Sound Levels**.

Table 1
Typical Sound Levels

Common Sounds	A-Weighted Sound Level in Decibels	Subjective Impression
Oxygen Torch	120	Pain Threshold
Rock Band	110	
Pile Driver at 50 feet	100	Very Loud
Ambulance Siren at 100 feet	90	
Garbage disposal	80	Moderately Loud
Vacuum Cleaner at 10 feet	70	
Air Conditioner at 100 feet	60	
Quiet Urban Daytime	50	Quiet
Quiet Urban Nighttime	40	
Bedroom at Night	30	
Recording Studio	20	Just Audible
	10	Threshold of Hearing
	0	
<hr/> <i>Sources:</i> Aviation Planning Associates. 1978. Calculations of Maximum A-weighted Sound Levels (dBA) Resulting from Civil Aircraft Operations.		

A noise environment consists of a base of steady “background” noise that is the sum of many distant and indistinguishable noise sources. Superimposed on this background noise is the sound from individual local sources. These can vary from an occasional aircraft or train passing by to virtually continuous noise from, for example, traffic on a major highway.

To the human ear, a sound 10 dBA higher than another is judged to be twice as loud; 20 dBA higher is four times as loud; and so forth. In general, a difference of more than 3 dBA is a perceptible change in environmental noise, while a 5 dBA difference typically causes a change in community reaction, and an increase of 10 dBA is perceived by people as doubling of loudness.¹

2.2 Noise Metrics

Several rating scales have been developed to analyze adverse effects of community noise on people. Since environmental noise fluctuates over time, these scales consider that the effect of noise on people depends largely upon the total acoustical energy content of the noise, as well as the time of day when the noise occurs. Those that are applicable to this analysis are as follows:

- L_{eq} , the equivalent noise level, is an average of sound level over a defined time period (such as 1 minute, 15 minutes, 1 hour or 24 hours). Thus, the L_{eq} of a time-varying noise and that of a steady noise are the same if they deliver the same acoustic energy to the ear during exposure.
- L_{max} is an instantaneous maximum noise level.
- SEL, sound exposure level, is a metric used to characterize short-term noise events, such as the passing of a truck or train. It would be the amount of noise generated by the event if all that sound occurred in one second.

2.3 Noise Attenuation

The noise level from a particular source generally declines as the distance to the receptor increases. Other factors such as the weather and reflecting or shielding also intensify or reduce the noise level at any given location. Typically, a single row of buildings between the receptor and the noise source reduces the noise level by about 5 dBA. Exterior noise levels can normally be reduced by 15 dBA inside buildings constructed with no special noise insulation.² The U.S. Environmental Protection Agency (US EPA) estimates that residences in “warm” climates provide at least 12 dBA of exterior-to-interior noise attenuation with windows open and 24 dBA with windows closed.³

Noise from traffic on roads depends on the volume and speed of traffic and the distance from the traffic. A commonly used rule of thumb for traffic noise is that for every doubling of distance from the

¹ U.S. Environmental Protection Agency (USEPA), 1974. *Information on Levels of Environmental Noise Requisite to Protect Public Health and Welfare with an Adequate Margin of Safety*. March.

² U.S. Department of Housing and Urban Development (HUD), 1985. Noise Guidebook.

³ U.S. Environmental Protection Agency, *Protective Noise Levels. Condensed Version of EPA Levels Document*, Office of Noise Abatement and Control, Washington, DC, EPA-550/9-79-100 (November 1978).

road, atmospheric spreading over “hard” or “soft” sites reduces the noise level by about 3 or 4.5 dBA, respectively. For a stationary source, the noise is reduced by at least 6 dBA for each doubling of distance. Further, because of the logarithmic nature of the decibel scale, a doubling of traffic on any given roadway or doubling a stationary source would cause a noise increase of approximately 3 dBA.

3.0 PROJECT SETTING

3.1 Project Description

Figure 3, *Site Layout Plan*, depicts proposed changes to the existing layout. The proposed project consists of constructing a single story facility, approximately 5000 sq. ft., containing four medical and two dental examination rooms, four counseling offices, business offices, a sterilization room, dispensary, laboratory, a nurse's station, and a conference room. Construction of the proposed project will take place on the corner of North O'Melveny Avenue and Chamberlain Street, where eleven public parking stalls will be available as well as an internal access road connecting the proposed facility to Chamberlain Road. All existing structures will be demolished and removed. **Table 2**, below, lists the *Proposed Components of the San Fernando High School Teen Center*.

Table 2
Proposed Components of the San Fernando High School Teen Center

Project Component	Approximate Area (Square Feet)
Medical Center	5,500
Parking Lot	2,620
Source: UltraSystems Environmental, Inc., and Los Angeles County Department of Public Works	

The school based Teen Health Center will draw students from ZIP codes 91340 (San Fernando) and 91331 (Pacoima), both of which, combined, account for 130,673 residents. Within these two ZIP codes, 25,055 individuals and 4,226 families live below the Federal poverty level.

The traffic entering and leaving the vicinity is estimated to consist of approximately 58 total vehicle trips per day from thirteen employees, four medical residents, one patient, and two corporate deliveries and management visits.⁴ The facility will run on a 40-hours-per-week schedule, from 7:30 a.m. to 4:30 p.m., Monday through Friday; operating hours exclude Saturday and Sunday. The proposed facility would receive roughly 4,000 visits per year for 1,266 patient users, servicing students of SFHS, Mission Continuation, and McAlister School.⁵

⁴ Rutherford, K. Letter report by VA Consulting, Inc., Irvine, California to Ken Koch, UltraSystems Environmental, Inc., El Dorado Hills, California (March 20, 2012), p. 2.

⁵ Emailed communication of data from Ken Koch, UltraSystems Environmental, Inc., El Dorado Hills, CA, to Michael Rogozen, UltraSystems Environmental, Inc., Irvine, California (March 9, 2012).

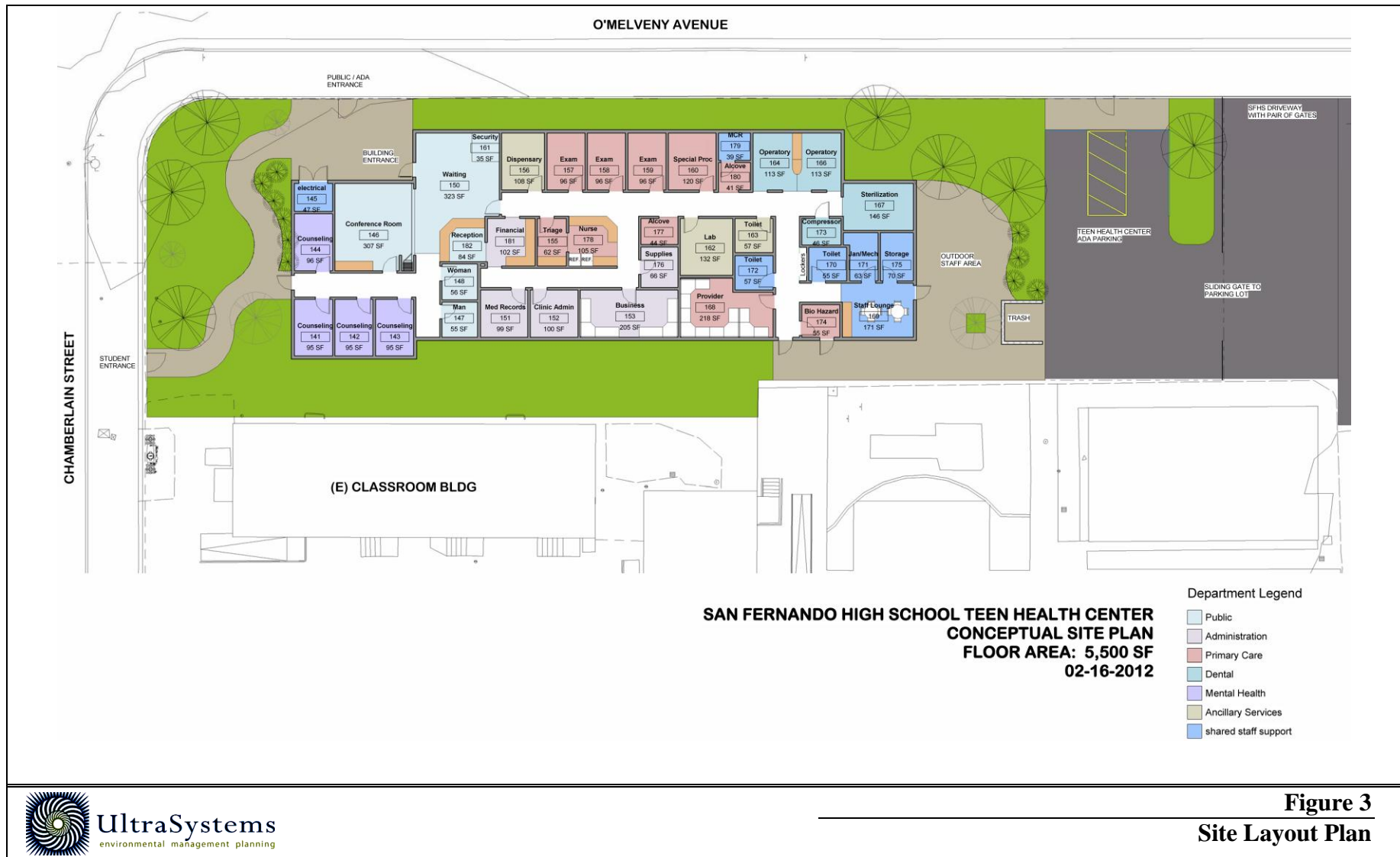


Figure 3
Site Layout Plan

3.2 Existing Noise Environment

The proposed project is located on property owned by the Los Angeles Unified School District. The areas immediately surrounding the site are predominantly residential. The City of Los Angeles' noise ordinance sets forth noise regulations and standards to control unnecessary, excessive and annoying sounds emanating from incorporated areas of the city.⁶ Major noise sources near the proposed project site include typical school and residential activities, as well as noise from automobile traffic from San Fernando High School, the I-5, and the SR-118.

3.3 Sensitive Land Uses

Noise sensitive receivers, according to the City's *General Plan, Noise Element*⁷ include single-family and multi-unit dwellings, long-term care facilities, dormitories, motels, hotels, transient lodgings and other residential uses; houses of worship; hospitals; libraries; schools; auditoriums; concert halls; outdoor theaters; nature and wildlife preserves, and parks. Following the screening criteria of the *L.A. CEQA Thresholds Guide*,⁸ sensitive receivers were only considered if they are within 500 feet of the proposed construction activities. **Table 3, Nearest Sensitive Receivers within 500 Feet**, shows the distances to the land uses normally considered to be noise-sensitive.

The proposed health center's immediate neighbors consist of residential areas and an adjacent high school. Both types of land uses fall under the category of sensitive receivers. Therefore, the analysis focused upon estimating the noise exposures to these sensitive receivers.

Table 3
Nearest Sensitive Receivers within 500 Feet

Type of Sensitive Receiver	Name	Distance (feet)
School	San Fernando High School	12
Residence	14094 Chamberlain Street Los Angeles, CA 91340	62
Source: UltraSystems, 2012.		

⁶ "City of Los Angeles Municipal Code." 28 Jan. 2012. Internet URL: http://www.amlegal.com/nxt/gateway.dll?f=templates&fn=default.htm&vid=amlegal:lmc_ca. Last accessed: 30 April. 2012.

⁷ City of Los Angeles, *Noise Element of the Los Angeles City General Plan*. Los Angeles, California (Adopted February 3, 1999). Internet URL: <http://cityplanning.lacity.org/cwd/gnlpln/noiseElt.pdf>.

⁸ City of Los Angeles, *L.A. CEQA Thresholds Guide*. (2006).

4.0 APPLICABLE REGULATIONS

To limit population exposure to noise levels that are physically and/or psychologically damaging or intrusive, the federal government, the State of California, various county governments, and most municipalities in the state have established noise policies, standards and ordinances.

4.1 Federal

The U.S. Department of Housing and Urban Development (HUD) has set a goal of 45 dBA L_{dn} as a desirable maximum interior standard for residential units developed under HUD funding. While HUD does not specify acceptable exterior noise levels, standard construction of residential dwellings constructed under Title 24 of the California Code of Regulations typically provide 20 dBA of acoustical attenuation with the windows closed and 10 dBA with the windows open. Based on this r, the exterior L_{dn} or CNEL should not exceed 65 dBA under normal conditions.

4.2 State of California

The California Department of Health Services (DHS) Office of Noise Control has studied the correlation of noise levels and their effects on various land uses. (The Office of Noise Control no longer exists.) The most current guidelines prepared by the State Noise Officer were issued in 1987 and are contained in the “General Plan Guidelines” issued by the Governor’s Office of Planning and Research in 2003.⁹ These guidelines establish four categories for judging the severity of noise intrusion on specified land uses:

- **Normally Acceptable:** Is generally acceptable, with no mitigation necessary.
- **Conditionally Acceptable:** May require some mitigation, as established through a noise study.
- **Normally Unacceptable:** Requires substantial mitigation.
- **Clearly unacceptable:** Probably cannot be mitigated to a less-than-significant level.

The types of land uses addressed by the state standards and the acceptable noise categories for each are presented in **Table 4, *Land Use Compatibility for Community Noise Sources***. There is some overlap between categories, which indicates that some judgment is required in determining the applicability of the numbers in every situation.

Title 24 of the California Code of Regulations requires performing acoustical studies before constructing dwelling units in areas that exceed 60 dBA L_{dn} . In addition, the California Noise Insulation Standards identify an interior noise standard of 45 dBA CNEL for new multi-family residential units. (Local governments frequently extend this requirement to single-family housing.)

⁹ State of California, *General Plan Guidelines*. Governor’s Office of Planning and Research, Sacramento, CA (2003).

Table 4
Land Use Compatibility for Community Noise Sources

Land Use Category		Noise Exposure (dBA, CNEL)						
		55	60	65	70	75	80	
Residential – Low-Density Single-Family, Duplex, Mobile Homes								
Residential – Multiple Family								
Transient Lodging – Motel, Hotels								
Schools, Libraries, Churches, Hospitals, Nursing Homes								
Auditoriums, Concert Halls, Amphitheaters								
Sports Arena, Outdoor Spectator Sports								
Playgrounds, Neighborhood Parks								
Golf Courses, Riding Stables, Water Recreation, Cemeteries								
Office Buildings, Business Commercial and Professional								
Industrial, Manufacturing, Utilities, Agriculture								
	Normally Acceptable: Specified land use is satisfactory, based upon the assumption that any buildings involved are of normal conventional construction without any special noise insulation requirements.							
	Conditionally Acceptable: New construction or development should be undertaken only after a detailed analysis of the noise reduction requirements is made and needed noise insulation features included in the design. Conventional construction, but with closed windows and fresh air supply system or air conditioning will normally suffice.							
	Normally Unacceptable: New construction or development should generally be discouraged. If new construction or development does proceed, a detailed analysis of the noise reduction requirements must be made and needed noise insulation features included in the design.							
	Clearly Unacceptable: New construction or development should generally not be undertaken.							

Source: State of California, *General Plan Guidelines*, Governor's Office of Planning and Research, 2003.

4.3 Local Standards

Because the sensitive receivers are located in the City of Los Angeles, the primary regulatory documents that establish noise standards within the City of Los Angeles are the Los Angeles Municipal Code (LAMC),¹⁰ and the City's *General Plan, Noise Element*,¹¹ which refers to the LAMC with respect to noise emission standards. These documents, as they pertain to noise standards and laws, are discussed in the following subsections.

4.3.1 Sensitive Receivers

For the purpose of this analysis, sensitive receivers are defined as people who will be exposed to noise from the project during construction hours and during its normal operating hours, and who are in certain types of locations. More specifically, sensitive receiver locations include:

- Residences;
- Transient lodgings;
- Houses of worship
- Hospitals;
- Libraries;
- Schools;
- Auditoriums;
- Concert halls;
- Outdoor theaters; and
- Parks

4.3.2 Construction Noise

According to the LAMC Section 112.05(a), noise levels associated with powered equipment or powered tools that are within 500 feet of a residential zone shall not exceed 75 dBA from a distance of 50 feet therefrom. Powered equipment includes, but is not limited to: "crawler-tractors; dozers; rotary drills and augers; loaders; power shovels; cranes; derricks; motor graders; paving machines; off-highway trucks; ditchers; trenchers; compactors; scrapers; wagons; pavement breakers; and compressors and pneumatic or other powered equipment."¹² However, according to LAMC Section 112.05, the above noise limitation shall not apply when compliance with the 75 dBA standard is technically infeasible. Technical infeasibility means that noise limitations cannot be complied with

¹⁰ "City of Los Angeles Municipal Code." 28 Jan. 2012. Internet URL: http://www.amlegal.com/nxt/gateway.dll?f=templates&fn=default.htm&vid=amlegal:lmc_ca. Last accessed: 30 April. 2012.

¹¹ City of Los Angeles, *Noise Element of the Los Angeles City General Plan*. Los Angeles, California (Adopted February 3, 1999). Internet URL: <http://cityplanning.lacity.org/cwd/gnlpln/noiseElt.pdf>.

¹² LAMC, Chapter XI (Noise Regulation), Section 112.05.

despite the use of mufflers, shields, sound barriers and/or other noise reduction device or techniques during the operation of the equipment.

Additionally construction activities are prohibited: between the hours of 9:00 p.m. and 7:00 a.m. of the next day;¹³ within 500 feet of residential buildings between the hours of 6:00 p.m. and 8:00 a.m. on a Saturday or national holiday; and any time on Sunday.¹⁴

4.3.3 Operational Noise

Listed below in **Table 5**, *Presumed Ambient Noise Levels*, are the presumed minimum ambient noise levels in dBA.

Table 5
Presumed Ambient Noise Levels

	7 a.m. to 10 p.m. dBA	10 p.m. to 7 a.m. dBA
Residential	50	40
Commercial	60	55
Industrial	65	65
Source: Presumed ambient noise levels from LAMC, Ch. XI (Noise Regulation), §111-03.		

Operational noise from the proposed facility may not exceed the presumed ambient noise levels at the receivers as listed in **Table 5** by more than 5 dBA.¹⁵

4.4 Thresholds of Significance

Based on the applicable noise regulations stated herein, the proposed project will have a significant noise impact if it would:

- Expose persons to or generate noise levels in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies.
- Result in a substantial permanent increase in ambient noise levels (more than five dBA) above levels existing without the project at sensitive receptor locations.

¹³ LAMC Chapter IV (Public Welfare), Section 41.40(a)

¹⁴ LAMC Chapter IV (Public Welfare), Section 41.40(c)

¹⁵ LAMC Chapter XI (Noise Regulation), Section 112.01; 112.02; 112.04; 114.02

- Result in a substantial temporary or periodic increase in ambient noise levels above levels existing without the project at sensitive receptor locations.
- Expose persons to or generate excessive ground-borne vibration or ground-borne noise levels. (See **Section 5.3.**)

5.0 PROJECT IMPACTS

Noise impacts associated with land use development projects include short-term and long-term impacts. Construction activities, especially heavy equipment operation, will create noise effects on and adjacent to the construction site. The primary long-term noise impacts from the project will be created from project-induced traffic, which would cause an incremental increase in noise levels within and near the project.

This section also evaluates potential ground-borne vibration that would be generated from the construction or operation of the proposed project.

5.1 Short-Term Noise Impacts

The construction of the Proposed Project could generate noise levels in excess of standards adopted in local ordinances. Noise impacts from construction activities are a function of the noise generated by the operation of construction equipment and on-road delivery and worker commuter vehicles, the location of equipment, and the timing and duration of the noise-generating activities. Construction of the proposed project would begin January 2013, and is expected to last until the end of the first quarter of 2014.¹⁶ The types and numbers of pieces of equipment anticipated in each phase of construction and development were estimated based on air modeling¹⁷ default values. **Table 6, Construction Equipment Noise Characteristics**, lists the types of equipment expected to be used. For each equipment type, the table shows the number of pieces of each equipment type expected to be used as well as an average noise emission level (in dB at 50 feet) and a “usage factor,” which is an estimated percentage of operating time that the equipment would be producing noise at the stated level.¹⁸

The proposed project would include demolition of existing structures, breakup of existing pavement and replacement with concrete, and erection of new structures. Each construction phase involves the use of a different mix of construction equipment and, therefore, has its own distinct noise characteristics. Composite maximum and hourly L_{eq} values were calculated using the noise

¹⁶ Memorandum from Ole Barre, UltraSystems Environmental, Inc., Irvine, California to Ken Koch, UltraSystems Environmental, Inc., El Dorado Hills, California (March 12, 2012).

¹⁷ California Emissions Estimator Model (CalEEMod).

¹⁸ Equipment noise emissions and usage factors are from Knauer, H. et al., 2006. *FHWA Highway Construction Noise Handbook*. U.S. Department of Transportation, Research and Innovative Technology, Administration, Cambridge, Massachusetts, FHWA-HEP-06-015 (August 2006), except where otherwise noted.

characteristics provided in **Table 6**, and methods suggested by the Federal Transit Administration (FTA).¹⁹

The estimated maximum hourly exposure to construction noise for the nearest sensitive receiver (San Fernando High School, which is approximately 12 feet away), is 97.6 dBA L_{eq} . Based on the noise emission characteristics in **Table 6**, all the individual construction equipment maximum sound levels at 50 feet exceed the 75 dBA at 50 feet noise standard established in Section 112.05(a) of the LAMC; however, with the mitigation measures described in Section 7.0, noise impacts from the loudest construction equipment (graders, pavers, and rollers) would not exceed 75 dBA at 50 feet.

Table 6
Construction Equipment Noise Characteristics

Equipment Type	No. Pieces	Maximum Sound Level (dBA @ 50 feet)	Usage Factor (%)
Air Compressors	1	78	40
Cement & Mortar Mixers	4	79	40
Crane	1	81	16
Forklift	2	65	50
Grader	1	85	40
Paver	1	85	50
Roller	1	85	20
Rubber Tired Dozer	1	82	50
Tractor	2	84	40
Source: U.S. Department of Transportation, Research and Innovative Technology, <i>FHWA Highway Construction Noise Handbook</i> , 2006.			

5.2 Long-Term Noise Impacts

The principal sources of noise during operations at the proposed health center are:

- Worker commuter traffic;
- Patient traffic;

The results from the traffic analysis show that the proposed project would generate 58 vehicle trips per weekday, with a peak of 20 trips per hour during rush hour, which is “far below the threshold of 500 trips per day that is identified in the County of Los Angeles Department of Public Works *Traffic*

¹⁹ Federal Transit Administration, *Transit Noise and Vibration Impact Assessment*. Office of Planning and Environment, FTA-VA-90-1003-06 (May 2006).

Impact Analysis Report Guidelines to warrant a preparation of a traffic study.”²⁰ Further, the letter report states that “there is very little probability the project will result in any impact to the surrounding circulation network.”²¹ A doubling of traffic would cause a noise increase of approximately 3 dBA, or a perceptible change in the environmental noise; however, with no impact to the surrounding circulation, traffic would not double. Therefore, there will be no long-term noise impacts from operation of the proposed project.

5.3 Vibration Impacts

Vibration is sound radiated through the ground. Ground-borne noise is the rumbling sound caused by the vibration of building interior surfaces. The ground motion caused by vibration is measured as peak particle velocity (PPV) in inches per second and is referenced as vibration decibels (VdB). Typical outdoor sources of perceptible groundborne vibration are construction equipment and traffic on rough roads.

The American National Standards Institute (ANSI) indicates that vibration levels in critical care areas, such as hospital surgical rooms and laboratories, should not exceed 0.2 inch per second of PPV.²² The FTA also uses a PPV of 0.2 inch per second as vibration damage threshold for fragile buildings and a PPV of 0.12 inch per second for extremely fragile historic buildings. The FTA criteria for infrequent ground-borne vibration events (less than 70 events per day) that may cause human annoyance are 83 VdB for institutional land uses and 80 VdB for residential land uses.²³

5.3.1 Construction Vibration

It is expected that ground-borne vibration from project construction activities would be intermittent and localized. For the proposed project’s construction, trucks hauling building materials to construction sites can be sources of vibration intrusion if the haul routes pass through residential neighborhoods on streets with bumps or potholes.

The FTA has published standard vibration levels for construction equipment operations.²⁴ The calculated vibration levels expressed in VdB and PPV for construction equipment at distances of 42, 50, 100, and 200 feet are listed in **Table 7, Vibration Levels of Construction Equipment**.

²⁰ Traffic Memorandum from Keith Rutherford, T.E., VA Consulting, Inc., Irvine, California to Ken Koch, UltraSystems Environmental, Inc., El Dorado Hills, California (March 20, 2012). P. 2

²¹ Ibid.

²² American National Standards Institute (ANSI). 1983. “*Guide to the Evaluation of Human Exposure to Vibration in Buildings*”, ANSI S.329-1983.

²³ Federal Transit Administration, *Transit Noise and Vibration Impact Assessment*. Office of Planning and Environment, FTA-VA-90-1003-06 (May 2006).

Table 7
Vibration Levels of Construction Equipment

Equipment	PPV at 42 ft. (in/sec) ^a	Vibration Decibels at 42 ft. (VdB) ^a	PPV at 50 ft. (in/sec)	Vibration Decibels at 50 ft. (VdB)	PPV at 100 ft. (in/sec)	Vibration Decibels at 100 ft. (VdB)	PPV at 200 ft. (in/sec)	Vibration Decibels at 200 ft. (VdB)
Loaded Truck	0.0406	79	0.0269	77	0.0095	74	0.0034	68

^a Calculated vibration levels from sensitive receiver to loaded truck on Chamberlain Street.

Source: Federal Transit Administration. 2006. Noise and Vibration Impact Assessment. May. Chapter 12.

As shown in **Table 7**, the vibration level of construction equipment at a distance of 42 feet, which is the approximate distance of a loaded truck traveling on the nearest road, Chamberlain Street, is less than the FTA damage threshold of 0.12 inch per second PPV for fragile historic buildings and less than the damage threshold of 80 VdB for residential land uses. Therefore, there will be no impact from ground-borne noise or ground-borne vibration during project construction.

5.3.2 Operational Vibration

Operation of the proposed project would not involve significant sources of ground-borne vibration or ground-borne noise. Thus, operation of the proposed project will result in no impact.

6.0 CUMULATIVE IMPACTS

As discussed in **Section 5.2**, the project's contribution to local traffic noise will be negligible. Because no other developments are planned to come on line near the project, construction equipment with the mitigation measures described in **Section 7** will be less than the 75-dBA threshold level with exception to technical infeasibility. Cumulative impacts, therefore, are less than significant.

7.0 MITIGATION MEASURES

Noise impacts during construction will be potentially significant. However, after implementation of the mitigation measures, as described below, construction noise impacts will be less than significant.

7.1 Construction

The following measures will reduce noise impacts from construction of the Proposed Project to a less-than-significant level:

- N-1** The construction contractor shall implement noise attenuation measures to reduce exterior noise levels during construction to 70 dBA or less as measured at 50 feet from the active piece of equipment. A number of measures are available to attenuate construction related noise including, but not limited to:
- provide temporary shields and noise barriers such as sound blankets that are a minimum of six feet in height between the areas of active construction and sensitive receivers
 - turn off construction equipment when not in use.
 - ensure that all construction equipment, fixed or mobile, is properly operating (tuned-up) and that mufflers are working adequately.
- N-2** Construction activities shall be prohibited between the hours of 7:00 p.m. and 7:00 a.m. Monday through Friday, and on weekends or holidays consistent with the Noise Control Ordinance of the Los Angeles County ~~Municipal Code~~ (Section 12.08.44).
- N-3** The construction contractor shall provide advance notice of the start of construction to all noise sensitive receptors, businesses, and residences adjacent to the project area. The announcement shall state specifically where and when construction activities will occur, and provide contact information for filing noise complaints.
- N-4** The construction contractor shall coordinate with the school principal prior to construction activity in order to schedule high noise producing events to minimize disruption on classroom activities
- N-5** ~~Upon receipt of the "Noise Complaint" form, the construction contractor shall~~ the construction contractor shall monitor noise from the construction activity to ensure that construction noise does not exceed limits specified in the noise regulations. ~~Compliance with the LAUSD, city and county noise restrictions shall be part of all construction contracts.~~

8.0 IMPACTS AFTER MITIGATION

Mitigation measures **N-1** through **N-5** will ensure that noise exposures during construction remain less than significant.

APPENDIX E
Traffic Letter Report



VA CONSULTING, INC.
ENGINEERS • PLANNERS • SURVEYORS
6400 Oak Canyon, Suite 150, Irvine, CA 92618
Phone (949) 474-1400 Fax (949) 261-8482

Memorandum (FORM VA-3)

Date: March 20, 2012
Project Name: San Fernando High School Teen Health Center

To: Mr. Ken Koch
Project No.: 1147.01.0100
UltraSystems Environmental
13376 Noel Lane
Grass Valley, CA 95945

From: Keith Rutherford, T.E.

Subject: San Fernando High School Teen Health Center – Traffic Review

VA Consulting, Inc. (VA) has completed the following review of project trip generation and potential traffic impacts associated with the proposed San Fernando High School Teen Health Center Project to be located at 11051 North O'Melveny Avenue in San Fernando, California. Our review concludes that the project is consistent with and ancillary to the existing High School land use, produces minimal daily and peak hour traffic volumes, is not anticipated to result in any significant impacts to the local circulation network, and does not warrant preparation of a formal detailed traffic impact analysis per County of Los Angeles Department of Public Works criteria. Our review and findings are discussed in more detail below.

Site Background

The proposed health center would be located on the existing site of San Fernando High School. The high school site is generally located within a dense grid of two-lane two-way local and collector roadways within a residential area (see Figure 1). The roadways surrounding the project site are North O'Melveny Avenue to the north and Chamberlain Street to the west. The I-5 and SR-18 Freeways are located in vicinity of the site, to the south and east, respectively. The number of through roadways that cross these transportation corridors in vicinity of the project is limited; to the west of the proposed project site Fox Street (N-S) crosses the I-5 and to the south Laurel Canyon Road (E-W) crosses the SR-118 to the east.

- ☒ Original
- ☒ Project File
- ☒ Project Manager, krr
- ☐ Other: ()

X:\Projects\1147_0100\Eng\TechDocs\Reports\SFHS Teen Health Center\SFHS Teen Hlth Ctr-MEMORANDUM.DOC

Offices in:
Orange County,
Inland Empire and
Palm Desert



Proposed Project

The project would provide a single-story 5,500-sf teen health center to be located at 11051 North O'Melveny Avenue in San Fernando, California on the existing campus of San Fernando High School (see Figures 2 and 3). The proposed health center would provide the following uses:

- Four medical examination rooms;
- Two dental examination rooms;
- Four counseling offices;
- Business offices;
- Sterilization room;
- Dispensary;
- Laboratory;
- Nurse's station; and
- Conference room.

The proposed health center will serve students from zip codes 91340 (San Fernando) and 91331 (Pacoima). The daily trip generation associated with the project is as follows:

Table 1
San Fernando High School Teen Health Center
Estimated Project Daily Trip Generation

Source	Number	Daily - Inbound	Daily - Outbound	Daily Total
Employees	13	20	20	40
Medical Residents	4	6	6	12
Patients (by car)	1	1	1	2
Deliveries/Other	2	2	2	4
Total	-	29	29	58

Table 1 shows that the trip generation of the proposed teen health center is 58 vehicle trips per weekday. The health center will operate from 7:30 am to 4 pm, Monday through Friday (40 hours per week). The center will not operate on Saturdays or Sundays or during any "after hours." The anticipated trip generation of the project at 58 trips per day is far below the threshold of 500 trips per day that is identified in the County of Los Angeles Department of Public Works *Traffic Impact Analysis Report Guidelines* to warrant preparation of a traffic impact study. During peak hours the project will generate less than 20 trips per hour and there is very little probability the project will result in any impact to the surrounding circulation network.



VA CONSULTING, INC.
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Memorandum

(Page 3)

The project does not provide dedicated parking for the center with the exception of two accessible parking spaces on the east side of the site (see Figure 3) accessed via a driveway on the south side of O'Melveny Avenue. Center employees and medical residents will park in the lot south of the center adjacent to the football field that is accessed via driveways on Chamberlain Street. Deliveries and management visits to the center will also use this parking area. It has been noted that access to the school campus from Chamberlain Street may be limited with gate closures while school is in session. The accessibility of parking areas intended for use by health center staff will need to be coordinated with any restricted access. The vast majority of student patients will access the center on foot. The occasional student-user arriving by car will either be a parent drop-off or a will use student parking.

We appreciate the opportunity to be of service to you on this project. Should you have questions or require additional assistance, please contact me at (949) 474-1401, ext. 227 or krutherford@vaconsultinginc.com.



Keith R. Rutherford
3/20/12

LEGEND

● 2 – NO. OF THROUGH TRAVEL LANES
 D – DIVIDED ROADWAY
 U – UNDIVIDED ROADWAY

 – SIGNALIZED INTERSECTION
 – STOP CONTROL (ON NO. OF APPROACHES SHOWN)



FIGURE 1
PROJECT LOCATION



FIGURE 2



**SAN FERNANDO HIGH SCHOOL TEEN HEALTH CENTER
 CONCEPTUAL SITE PLAN
 FLOOR AREA: 5,500 SF
 02-16-2012**

FIGURE 3

APPENDIX F

Soil Gas Survey for Methane and Hydrogen Sulfide Report



December 18, 2012

Los Angeles County Department of Public Works
900 S. Fremont Avenue, 5th Floor
Alhambra, California 91803

Attention: William Honda, Project Manager

**Re: Soil Gas Survey for Methane and Hydrogen Sulfide Report
San Fernando High School Teen Health Center
11051 North O'Melveny Avenue, Los Angeles, California 91340
Alta Environmental Project No. LAPW-12-12600**

Dear Mr. Honda:

Alta Environmental is pleased to submit the following *Soil Gas Survey for Methane and Hydrogen Sulfide Report* for the San Fernando Teen Health Center located at 11051 North O'Melveny Avenue, Los Angeles, California.

If you have any questions regarding this report, please contact us at (562) 495-5777.

For and on behalf of Alta Environmental

Jonathan Barkman
Project Manager / Senior I



SOIL GAS SURVEY FOR METHANE AND HYDROGEN SULFIDE REPORT

San Fernando High School Teen Health Center
11051 O'Melveny Avenue
Los Angeles, California

Prepared for

Los Angeles County Department of Public Works
900 South Fremont Avenue, 5th Floor
Alhambra, California 91803-1331

LAPW-12-12600
December 18, 2012

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PROFESSIONAL CERTIFICATION

This report has been prepared by

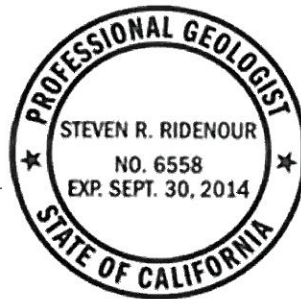


Jonathan Barkman
Project Manager

under the professional supervision and review of



Steve Ridenour, PG
Senior Project Geologist



1 INTRODUCTION

This document presents the results for the soil gas survey for methane and hydrogen sulfide conducted at the San Fernando High School, in the City of San Fernando, California. The scope of work for this project has been developed as an extension of our proposal; "*Step-out Soil Sampling Investigation and Remediation Work Plan Development Services*" dated June 29th, 2012. The subject construction project area is an approximately 16,000 square-foot portion of the campus bound by O'Melveny Avenue to the northeast, Chamberlain Street to the northwest, and San Fernando High School property to the southeast and southwest (henceforth referred to as the "Site"). A Site Vicinity Map and Site Layout Map are presented in Appendix A. The site is located within a designated City of Los Angeles Methane Buffer Zone. This survey was conducted as a precautionary measure to assure the worker, staff, and student safety.

2 LOCATION INFORMATION

Site: San Fernando High School Teen Health Center
Address: 11051 O'Melveny Avenue, Los Angeles, California 91340

3 PROPERTY OWNER

The San Fernando High School Teen Health Center construction project is a joint venture between the DPW and the LAUSD. The land for the project is, and will continue to be, owned by LAUSD, while the Teen Health Center building will be constructed by DPW. The contact for the two stakeholders is as follows:

Los Angeles Unified School District
333 S. Beaudry Avenue, 28th Floor
Los Angeles, California 90017
Contact: Pat Schanen, Environmental Health Manager
Tel: 213-241-1517

Los Angeles County Department of Public Works
900 South Fremont Avenue, 5th Floor
Alhambra, California 91803-1331
Contact: William Honda, Project Manager
Tel: 626-300-2360

4 OBJECTIVES AND SCOPE OF WORK

The new teen health center at San Fernando High School is located within a methane buffer zone according to the City of Los Angeles, Bureau of Engineering, Methane and Methane Buffer Zone Map. The investigation was performed in accordance with Alta Environmental's *Soil Gas Survey for Methane and Hydrogen Sulfide Proposal* dated August 8, 2012.

5 SOIL GAS SURVEY INVESTIGATION

5.1 Field Preparation

5.1.1 Health and Safety Plan Preparation

Alta Environmental updated a site-specific Health and Safety Plan (HASP) that was implemented per Occupation Safety and Health Administration (OSHA) requirements (29 CFR 1910.120) to address the proposed scope of work. A tailgate meeting with field personnel to review the scope of work and safety procedures was held at the beginning of each field day. Field personnel were required to review and sign the site-specific HASP before beginning any field work.

5.1.2 Field Work Notices

Approximately three days prior to beginning of the fieldwork, a field notice of the investigation was prepared in English and Spanish and distributed in accordance with Department of Toxic Substance Control guidelines for informing the community surrounding the Site. The work notice presented the proposed field activities and contact information for the investigation, and was distributed to school staff, students and any residences within line of sight of the work area. Weather proof copies of the notices were also posted at conspicuous locations along the perimeter of the Site. Copies of the field notices are provided in Appendix B.

5.1.3 Site Reconnaissance and Utility Notification

Alta Environmental pre-marked all proposed drilling locations and notified Underground Service Alert (USA) at least 48 hours before commencing any drilling activities at the Site. USA notified companies and agencies that may have had underground utilities in the vicinity to mark their respective utilities on the ground with spray paint so that they could be avoided during drilling.

5.1.4 Geophysical Survey

On September 14, 2012, Spectrum Geophysics conducted a geophysical survey of the work area to identify possible buried utilities and other identifiable subsurface anomalies. The geophysical survey was conducted using a Radio Detection 4000 and Dynatel 500 series transmitters with matching receivers, a Fisher TW-6 M-scope, and ground penetrating radar. No significant subsurface interferences were detected and none of the proposed borings required relocation.

5.2 Soil Gas Sampling

5.2.1 Soil Vapor Well Installation

Alta Environmental subcontracted Strongarm Environmental Field Services, Inc. to provide direct-push drilling methods to facilitate the installation of soil vapor wells. A total of four (4) wells (SV1 - SV4) were installed to a terminus depth of approximately 5 or 20 feet bgs utilizing a Geoprobe® 6620 track mounted drill rig. A map of the soil sampling locations is presented as Figure 3, Appendix A.

Probe Installation: Four soil gas probes were installed on Site to monitor subsurface concentrations of methane and hydrogen sulfide as follows:

- Two of the initial soil matrix borings (SV2 and SV3) to be completed during the *Step-out Soil Sampling Investigation* were extended to a depth of 5-feet below ground surface (bgs);
- One of the initial soil matrix boring (SV4) was extended to 20-feet bgs; and
- One new boring (SV1) was advanced to a depth of 20-feet bgs.

Soil vapor probes were installed at 5-feet bgs in each of the 5-foot borings (SV2 and SV3), and at 5-, 10-, and 20-feet bgs in each of the 20-foot borings (SV1 and SV4). Each soil vapor probe was placed within a one-foot sand pack. One foot of dry granular bentonite was placed on top of each sand pack to preclude the infiltration of hydrated bentonite grout. The boreholes were then grouted between probes and to the surface with hydrated bentonite. Polyethylene tubing (¼ inch) was connected from the vapor point to the surface. The end of the tubing was labeled with the vapor well number, depth, and date and time of construction, and a three-way valve will be installed to eliminate ambient air diffusion into the well. Soil boring logs presenting the subsurface soils conditions encountered during drilling are included as Appendix C and a vapor probe schematic is provided in Attachment D.

5.2.2 Sample Collection and Analysis

After waiting the minimum one hour after probe installation, we began the methane and hydrogen sulfide monitoring on the soil vapor wells. The monitoring consisted of measuring the soil vapor pressure values (no detectable pressure observed) from each probe prior to any monitoring or well purging. After soil vapor pressure measurements, each soil vapor probe was purged of three purge volumes at approximately 200 milliliters per minute (ml/min). After purging, a 1-liter Tedlar bag sample was collected at a sampling rate of 200 ml/min, using a vacuum chamber connected to a low-flow pump.

Immediately following sample collection in the 1-liter Tedlar bag dedicated for each soil vapor probe, a Landtec GEM-2000 Plus gas analyzer was used to measure the methane, hydrogen sulfide, oxygen, and carbon dioxide concentrations (as percent methane, oxygen, or carbon dioxide) from the 1-liter Tedlar bags. A Gas Meter AZ 860 H2S Analyzer was also used to confirm hydrogen sulfide concentrations.

5.3 Quality Assurance/Quality Control Measures

Duplicate (co-located) soil samples were collected at a 10% minimum frequency for all analyzed samples. A total of one (1) duplicate sample was analyzed during this investigation, representing 8 primary samples (12.5%).

6 FINDINGS AND CONCLUSIONS

The results of the soil vapor monitoring indicate that methane and hydrogen sulfide were not detected from soil vapor wells SV1 and SV4 at all depths (5, 10, and 20 feet bgs) or from SV2 and SV3 at the depth of 5 feet bgs. Therefore, the maximum methane concentration measured was less than the 1,000 ppmv threshold above which the DTSC advises further investigation be conducted or precautionary measures to be incorporated in the building design to protect against methane hazards. The results of the soil vapor monitoring are summarized in Table 1 (Attachment E).

7 RECOMMENDATIONS

Based on the findings and conclusions presented in this Soil Gas Survey for Methane and Hydrogen Sulfide report, Alta recommends no further action, with respect to potential methane and hydrogen sulfide impacts within the Site boundary.

8 ASSUMPTIONS AND LIMITATIONS

This Soil Gas Survey for Methane and Hydrogen Sulfide Report was prepared exclusively for use by the Los Angeles County Department of Public Works and the Los Angeles Unified School District and may not be relied upon by any other person or entity without Alta Environmental's express written permission. The information, conclusions and recommendations described in this report apply to conditions existing at certain locations when services were performed and are intended only for the specific purposes, locations, time frames and project parameters indicated. Alta Environmental cannot be responsible for the impact of any changes in environmental standards, practices or regulations after performance of services.

In performing our professional services, we have applied present engineering and scientific judgment and used a level of effort consistent with the current standard of practice for similar types of studies.

As applicable, Alta Environmental has relied in good faith upon representations and information furnished by individuals with respect to operations and existing property conditions, to the extent that they have not been contradicted by data obtained from other sources. Accordingly, Alta Environmental accepts no responsibility for any deficiencies, omissions, misrepresentations, or fraudulent acts of persons interviewed.

Alta Environmental will not accept any liability for loss, injury claim, or damage arising directly or indirectly from any use or reliance on this report. Alta Environmental makes no warranty, expressed or implied.

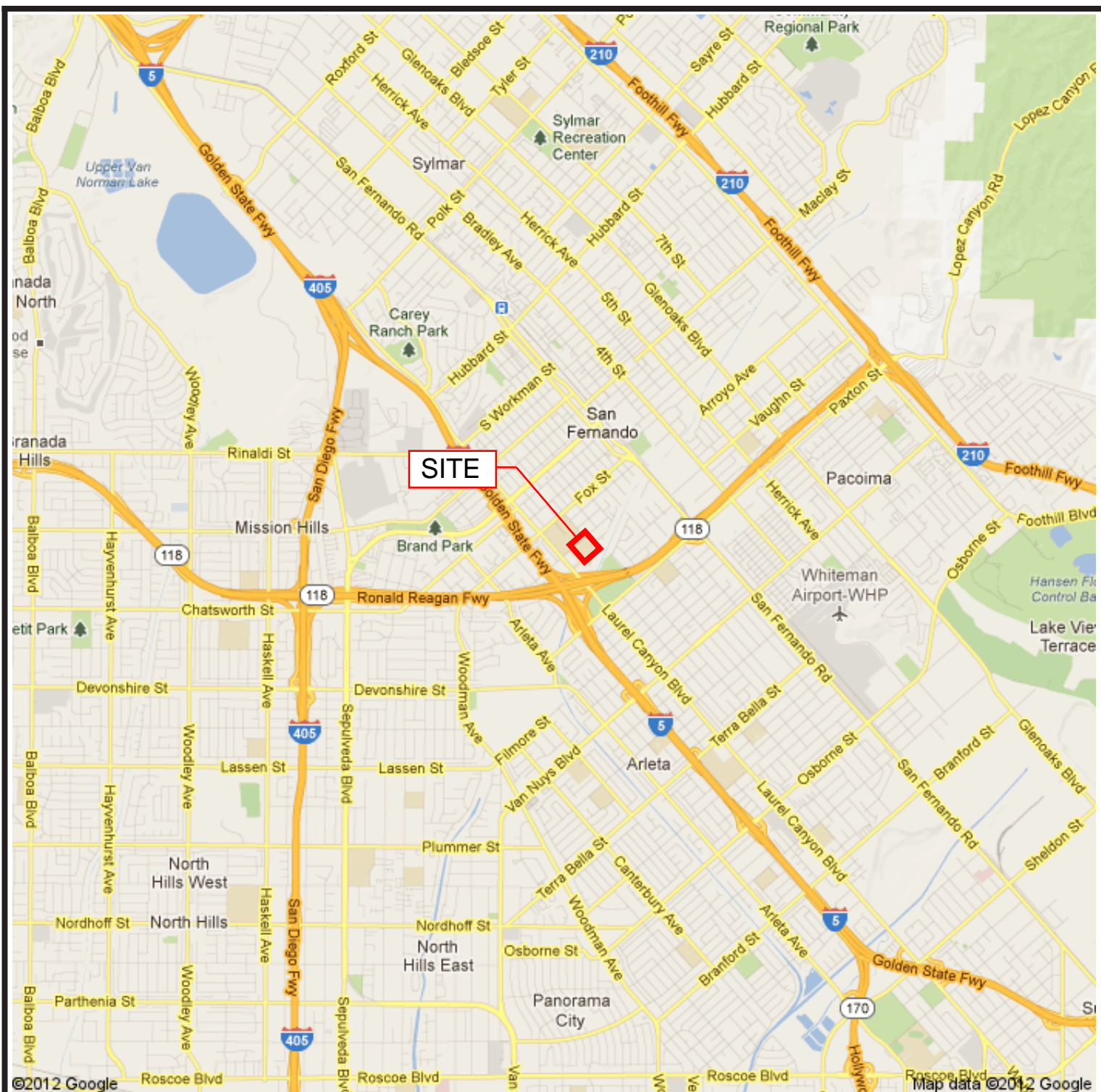
This report is issued with the understanding that the client, the property owner, or its representative is responsible for ensuring that the information, conclusions, and recommendations contained herein are brought to the attention of the appropriate regulatory agencies, as required.

9 REFERENCES

1. Department of Toxic Substances Control (DTSC), Cal/EPA, *Advisory Active Soil Gas Investigations*, April 2012.
2. Converse Consultants (Converse), 2011a, *Phase I Environmental Site Assessment, San Fernando High School Teen Health Center, San Fernando, California*, July 25, 2012
3. Converse, 2011b, *Phase II Environmental Site Assessment, Proposed San Fernando High School Teen Health Center, San Fernando, California*, July 25, 2012

Appendix A

Figures 1 through 3



— Approximate Outline of Site

FIGURE 1: SITE LOCATION MAP

SITE: Proposed SFHS Teen Health Center
11051 O'Melveny Ave, San Fernando, CA

DRAWN: RS

APPROV.: JB

SCALE: Not to Scale

DATE: 11/12



CLIENT: Los Angeles County Depart of Public Works

SOURCE: Google Maps 2012



ALTA
ENVIRONMENTAL

3777 Long Beach Blvd., Annex
Long Beach, CA 90807
Phone: (562) 495-5777



Approximate Site Boundary

FIGURE 2: SITE LAYOUT MAP

SITE: Proposed SFHS Teen Health Center
11051 O'Melveny Ave, San Fernando, CA

DRAWN: RS

APPROV.: JB

SCALE: Not to Scale

DATE: 11/12

CLIENT: Los Angeles County Department of
Public Works

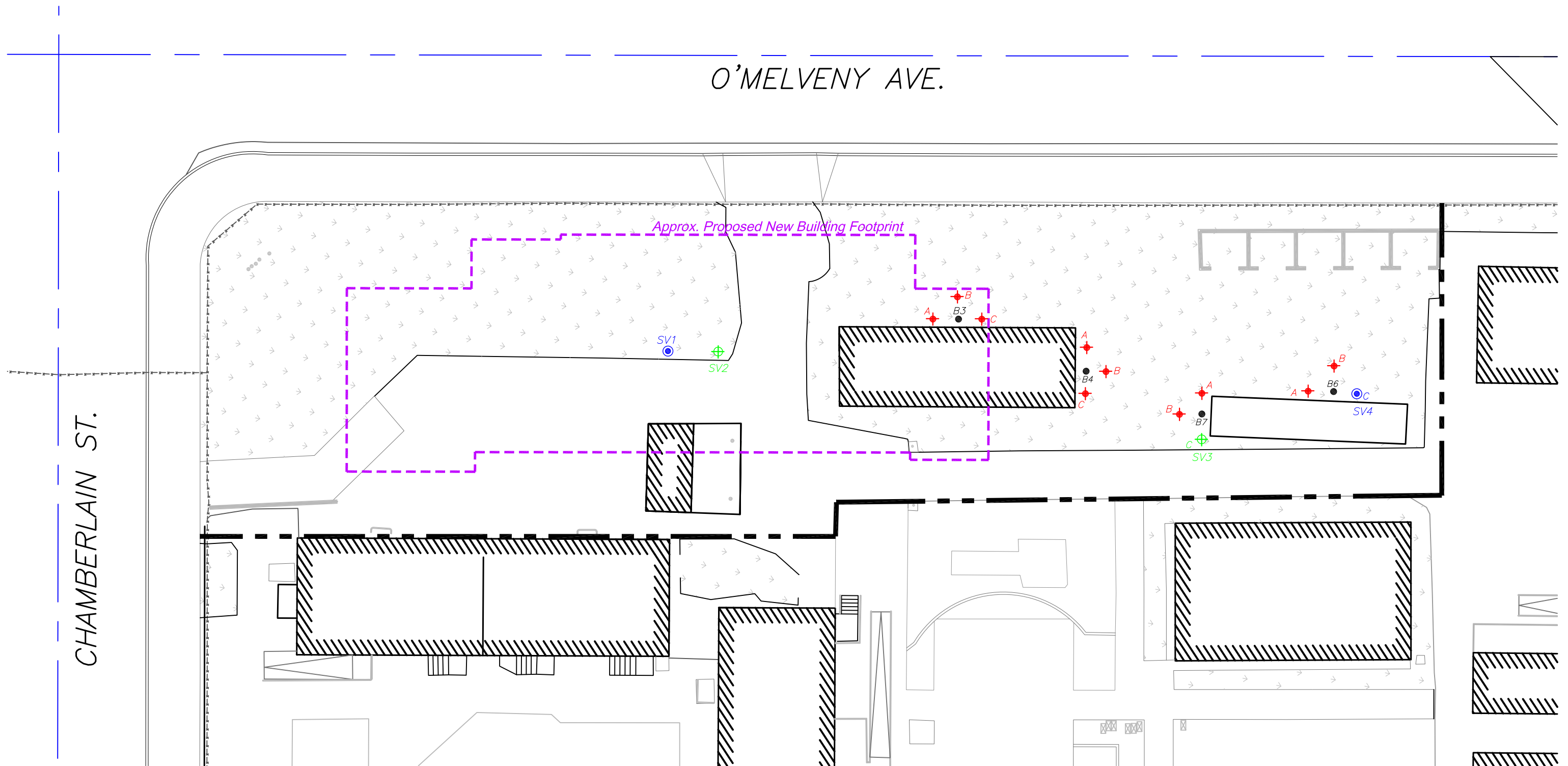
SOURCE: Google Earth Pro. 2010



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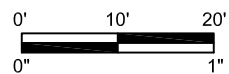


LEGEND:

- Previous Investigation Boring Locations
(Converse Consultants, 2011)
- ★ Step-Out Boring Locations
- ⊙ Step-Out Boring Location/Soil Gas Probe
Monitoring Location
- ⊕ Step-Out Boring Location/Shallow Soil Gas Test
Location
- Approximate Site Boundary

Figure 1: Soil Gas Monitoring Locations

CLIENT: Los Angeles County Department of Public Works		SITE LOCATION: San Fernando Teen Health Center 11051 O'Melveny Avenue San Fernando, California	
PROJECT #: LAPW-12-12600			
	3777 Long Beach Blvd, Annex Bldg. Long Beach, CA 90807 (562) 495-5777 www.altaenviron.com	DRAWN: KD	APPROVED: JB
		SCALE: 1" = 20'	DATE: 11/2012



Appendix B

Field Notices

Los Angeles Unified School District

Office of Environmental Health and Safety

JOHN E. DEASY, Ph.D.
Superintendent of Schools

ENRIQUE G. BOULL'T
Chief Operating Officer

JOHN STERRITT
Director, Environmental Health and Safety

September 11, 2012

TO: Neighbors and Community Members of the
San Fernando Teen Health Center

FROM: Los Angeles Unified School District
Office of Environmental Health and Safety
and the Los Angeles County Department of Public Works

REGARDING: Environmental Assessment
Proposed San Fernando Teen Health Center, San Fernando, California

The Los Angeles Unified School District (LAUSD) - Office of Environmental Health and Safety (OEHS) and Los Angeles County Department of Public Works (LADPW), would like to provide you with advance notice of an environmental investigation that will be conducted for the LADPW's proposed San Fernando Teen Health Center located at 11133 O'Melveny Avenue, San Fernando, California (the "Site"). The proposed San Fernando Teen Health Center is located on a portion of LAUSD property occupied by San Fernando Senior High School campus. The Site (proposed redevelopment area) consists of approximately 0.27 acres of the San Fernando Senior High School Campus bound by Chamberlain Street to the northwest, O'Melveny Avenue to the northeast, and school structures to the southwest and southeast.

A licensed contractor, working on behalf of the LADPW and LAUSD, will perform the environmental investigation under the independent oversight of the LAUSD-OEHS. The environmental investigation will consist of the sampling of soil and soil vapor in the location of the proposed new redevelopment area for potential lead-based paint, organochlorine pesticides (OCPs), and methane and hydrogen sulfide in soil vapor. Recently enacted state laws now require that all proposed new constructions at school sites undergo a complete environmental review. If necessary, a cleanup will be performed prior to construction activities to protect students, faculty, and staff of the school.

Fieldwork is scheduled to begin on or about September 17, 2012, and is expected be completed in one day. All fieldwork is scheduled to be conducted when students are away from school, between 7:00 am to 6:00 pm. It is not expected that any street closures will be necessary during the investigation.

Results of the investigation will be submitted to LAUSD-OEHS in a report for review. The report will include an assessment of whether lead-based paint, OCPs, methane or sulfide vapors are present at concentrations that would require further assessment or a response action before the property is cleared for construction activities. When the OEHS's review is complete, OEHS will issue a determination with regard to the assessment.

If you have any questions concerning the upcoming environmental investigation or other related activities in the vicinity of the proposed San Fernando Teen Health Center, please contact Mr. Anthony Lizzi, LAUSD Office of Environmental Health and Safety Site Assessment Project Manager, at (213) 241-1517 (email at anthony.lizzi@lausd.net), or Mr. William Honda, Los Angeles County Department of Public Works Project Manager, at (626) 300-2360 (email at WHONDA@dpw.lacounty.gov).

Si desea información en Español, por favor comuníquese con el: Sr. Joseph Piña al (213) 241-6516

Los Angeles Unified School District

Office of Environmental Health and Safety

JOHN E. DEASY, Ph.D.
Superintendent of Schools

ENRIQUE G. BOULL'T
Chief Operating Officer

JOHN STERRITT
Director, Environmental Health and Safety

11 de septiembre de 2012

PARA: Vecinos y miembros de la comunidad de la Centro de salud de adolescentes de San Fernando

DE: Distrito Escolar Unificado de Los Ángeles Oficina de salud ambiental y seguridad y el Departamento de obras públicas del Condado de Los Ángeles

En relación con: Evaluación ambiental
Proyecto San Fernando Teen Health Center, San Fernando, California

Distrito Escolar Unificado de Los Ángeles (LAUSD) - Oficina de salud ambiental y seguridad (OEHS) y Departamento de obras públicas del Condado de Los Angeles (LADPW), le gustaría dar aviso anticipado de una investigación ambiental que se llevará a cabo para la LADPW del propuesto Centro de salud de adolescentes de San Fernando en 11133 O'Melveny Avenue, San Fernando, California (el "sitio"). El centro de salud de adolescente San Fernando propuesto se encuentra en una porción de propiedad LAUSD ocupada por campus San Fernando Senior High School. El sitio (área de Reurbanización propuesto) de aproximadamente 0.27 acres del Campus San Fernando Senior High School por la calle de Chamberlain al noroeste, O'Melveny Avenue al noreste y las estructuras de la escuela al suroeste y sureste.

Un contratista licenciado, trabajando en nombre del LADPW y LAUSD, llevará a cabo la investigación ambiental bajo la supervisión independiente de LAUSD-OEHS. La investigación ambiental consistirá de tomar muestras de la tierra y de vapor del suelo en la locación propuesta de la nueva área de Reurbanización para la potencial pintura de plomo, pesticidas organoclorados (OCPs) y metano y sulfuro de hidrógeno en el vapor proveniente del suelo. Recientemente promulgado leyes requieren que todas las construcciones nuevas propuestas en las escuelas se sometan a una revisión completa de ambiental. Si es necesario, se realizará una limpieza antes de iniciar actividades de construcción para proteger a los estudiantes, Facultad y personal de la escuela.

Trabajo de campo está programado para comenzar tal vez el 17 de septiembre de 2012 y se espera completar en un día. Todos los trabajos de campo está programada para llevarse a cabo cuando los estudiantes están fuera de la escuela, entre 7:00 am asta 6:00 pm. No se espera que las calles se cierren durante la investigación.

Resultados de la investigación se presentará a LAUSD-OEHS en un reporte de revisión. El reporte incluirá una evaluación de la investigación de los vapores de pintura, OCPs, metano o sulfuro de plomo si están presentes en concentraciones que requerirían otra evaluación o una acción de respuesta antes de que la propiedad este lista para las actividades de construcción. Cuando este finalizada la revisión de la OEHS, OEHS emitirá una determinación con respecto a la evaluación.

Si tiene alguna pregunta de esta investigación ambiental o otras actividades relacionadas en las proximidades del centro de salud de adolescentes de San Fernando propuesto, póngase en contacto con el Sr. Anthony Lizzi, LAUSD Oficina de salud ambiental y seguridad sitio evaluación al (213) 241-1517 (correo electrónico a anthony.lizzi@lausd.net) o el Sr. William Honda, Condado de Los Angeles Departamento de obras públicas al (626) 300-2360 (correo electrónico a WHONDA@dpw.lacounty.gov).

If you would like information in English, please contact Mr. Joseph Piña at (213) 241-6516

Appendix C

Soil Boring Logs



BORING/WELL NUMBER B3-A

DATE DRILLED 09/17/12

DRILLING CONTRACTOR Strongarm Environmental Field Services

SAMPLING METHOD Direct-push

BORING DEPTH (FT BGS) 3 **WELL DEPTH (FT BGS)** NA

LOGGED BY R. Shigeno **CHECKED BY** S. Ridenour

CASING DIAMETER/TYPE None

SLOT SIZE NA **SCREEN INTERVAL** NA

GRAVEL PACK TYPE NA

DEPTH TO WATER DURING DRILLING (FT BGS) NA

DEPTH TO WATER AFTER INSTALLATION (FT BGS)	NA
--	----

REMARKS

WELL-MODIFIED-SEAL LAPW-12-12600.GPJ WELL.GDT 11/2/12

Boring/Well Construction Log



Boring/Well Construction Log

PROJECT NUMBER LAPW-12-11897 **BORING/WELL NUMBER** B6-C/SV-4
PROJECT NAME San Fernando Teen Health Center **DATE DRILLED** 09/17/12
LOCATION 11133 O'Melveny Avenue, San Fernando, California **DRILLING CONTRACTOR** Strongarm Environmental Field Services
DRILLING METHOD Geoprobe
SAMPLING METHOD Direct-push
BORING DIAMETER 2.25"
BORING DEPTH (FT BGS) 20 **WELL DEPTH (FT BGS)** NA
LOGGED BY R. Shigeno **CHECKED BY** S. Ridenour
CASING DIAMETER/TYPE None
SLOT SIZE NA **SCREEN INTERVAL** NA
GRAVEL PACK TYPE NA
DEPTH TO WATER DURING DRILLING (FT BGS) NA
DEPTH TO WATER AFTER INSTALLATION (FT BGS) NA
REMARKS _____

TIME	BLOW COUNT	SAMPLE ID.	SAMPLE INTERVAL	DEPTH (BGS)	U.S.C.S.	GRAPHIC LOG	WELL DIAGRAM	PID (ppm)	LITHOLOGIC DESCRIPTION
1020 1021 1022 1023 1024 1025		B6-C-0.5 B6-C-1.0 B6-C-1.5 B6-C-2.0 B6-C-2.5 B6-C-3.0			ML				<p>Sandy Silt, 65% silt, 25% sand, 10% gravel, brown, dry, non-plastic, fine to coarse grained sand, small gravel, no odor</p> <hr/> <p>Silty Sand with Gravel, 60% sand, 25% silt, 15% gravel, fine to coarse grained sand, light grey, medium dense, dry, small gravel</p> <hr/> <p>Same as above with large gravel</p> <hr/> <p>Boring Terminated at 20' bgs.</p>

WELL-MODIFIED-SEAL LAPW-12-12600.GPJ WELL.GDT 11/2/12



Boring/Well Construction Log

PROJECT NUMBER LAPW-12-11897
PROJECT NAME San Fernando Teen Health Center
LOCATION 11133 O'Melveny Avenue, San Fernando, California
DRILLING METHOD Geoprobe
SAMPLING METHOD Direct-push
BORING DIAMETER 2.25"
BORING DEPTH (FT BGS) 20 **WELL DEPTH (FT BGS)** NA
LOGGED BY R. Shigeno **CHECKED BY** S. Ridenour
CASING DIAMETER/TYPE None
SLOT SIZE NA **SCREEN INTERVAL** NA
GRAVEL PACK TYPE NA
DEPTH TO WATER DURING DRILLING (FT BGS) NA
DEPTH TO WATER AFTER INSTALLATION (FT BGS) NA
REMARKS _____

TIME	BLOW COUNT	SAMPLE ID.	SAMPLE INTERVAL	DEPTH (BGS)	U.S.C.S.	GRAPHIC LOG	WELL DIAGRAM	PID (ppm)	LITHOLOGIC DESCRIPTION
740		SV1-5'		5	ML		1/4" Polyethylene Tubing (typical) Dry granular bentonite (typical)		Sandy Silt with Gravel , 60% silt, 25% sand, 15% gravel, brown, dry, non-plastic, fine to medium grained sand, small gravel
745		SV1-10'		10	SM		Sand pack (#3 Sand - typical) Seal (hydrated bentonite chips - typical)		Silty Sand with Gravel , 60% sand, 20% silt, 20% gravel, fine to coarse grained sand, light grey, medium dense, dry, small gravel
750		SV1-15'		15	SM				Same as above with small to large gravel
800		SV1-20'		20			1/4" Soil-gas implant (typical)		Boring Terminated at 20' bgs.
				25					
				30					

WELL-MODIFIED-SEAL LAPW-12-12600.GPJ WELL.GDT 11/2/12

Appendix D

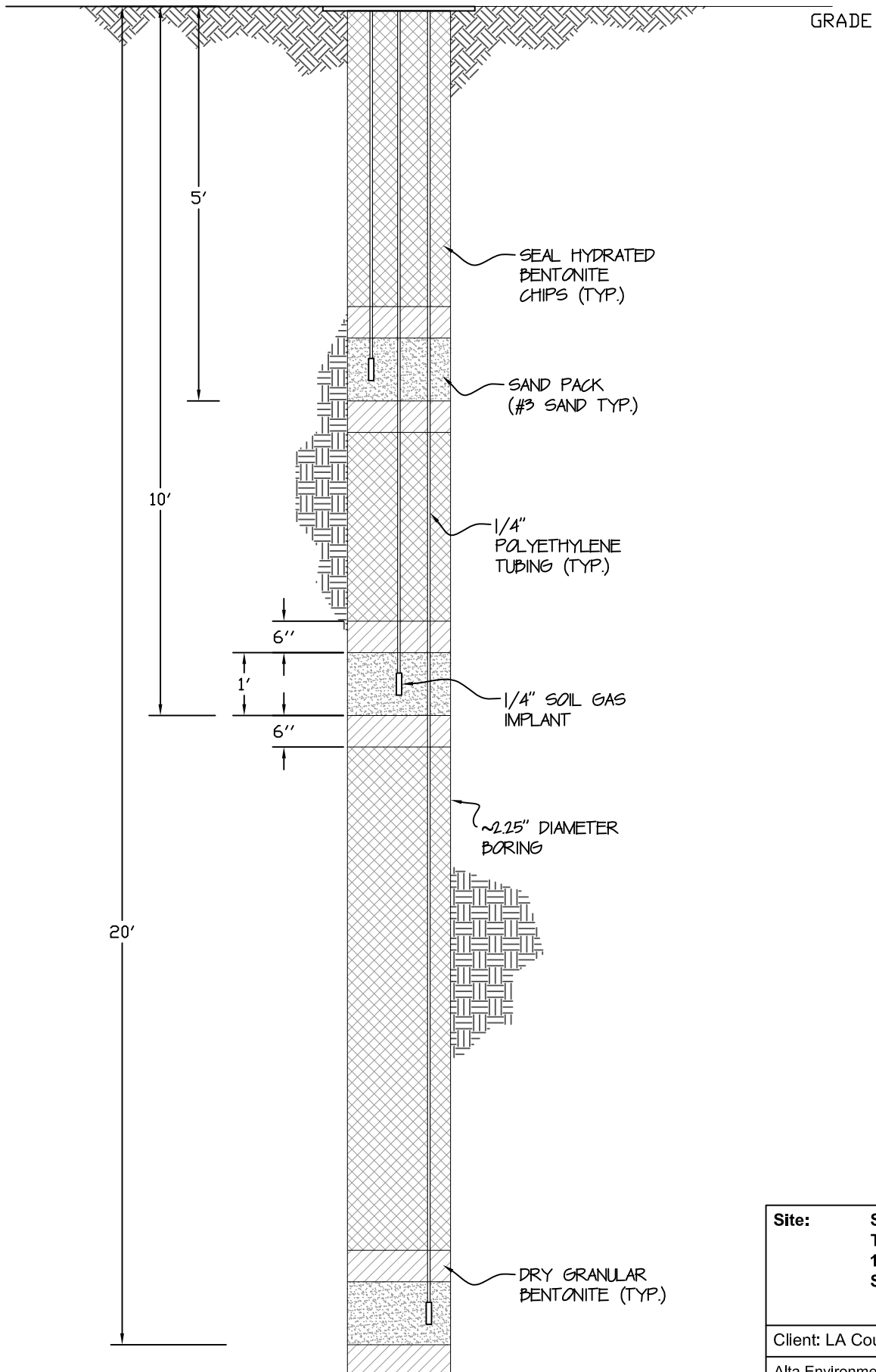
Vapor Probe Schematic



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3777 Long Beach Blvd., Annex Bldg.
Long Beach, California 90807

VAPOR PROBE SCHEMATIC



Site: San Fernando High School
Teen Health Center
11051 O'Melveny Avenue
San Fernando, California

Client: LA County Dept. of Public Works

Alta Environmental Job No.: LADW-12-12600

Appendix E

Table 1

TABLE 1
Soil Vapor Results
San Fernando High School Teen Health Center
11051 North O'Melveney Avenue
San Fernando, California

Date	Vapor Probe	Vapor Probe Depth (feet)	Vapor Pressure (in. of H ₂ O)	Methane (% LEL)	H ₂ S (ppm)	Oxygen (%v/v)	CO ₂ (%v/v)	CO (ppm)
9/17/2012	SV1-5	5	0	0.0	0.0	19.6	1.3	5
	SV1-10	10	0	0.0	0.0	18.9	2.0	5
	SV1-20	20	0	0.0	0.0	18.5	2.4	8
	SV2-5	5	0	0.0	0.0	19.1	1.8	7
	SV3-5	5	0	0.0	0.0	19.1	1.5	2
	SV4-5	5	0	0.0	0.0	19.5	0.7	6
	SV4-10	10	0	0.0	0.0	19.1	1.3	10
	SV4-20	20	0	0.0	0.0	18.7	2.0	11
	SV4-20 dup	20	0	0.0	0.0	19.0	1.9	12

Notes:

% LEL = Percent Lower Explosive Limit

ppm = concentration in parts per million

%v/v = concentration in percent volume per volume

APPENDIX G
Step-out Soil Sampling Report



December 18, 2012

Los Angeles County Department of Public Works
900 S. Fremont Avenue, 5th Floor
Alhambra, California 91803

Attention: William Honda, Project Manager

**Re: Step-out Soil Sampling Report
San Fernando High School Teen Health Center
11051 North O'Melveny Avenue, Los Angeles, California 91340
Alta Environmental Project No. LAPW-12-11897**

Dear Mr. Honda:

Alta Environmental is pleased to submit the following *Step-out Soil Sampling Report* for the San Fernando Teen Health Center located at 11051 North O'Melveny Avenue, Los Angeles, California.

If you have any questions regarding this report, please contact us at (562) 495-5777.

For and on behalf of Alta Environmental

Jonathan Barkman
Project Manager / Senior I



STEP-OUT SOIL SAMPLING REPORT

San Fernando High School Teen Health Center
11051 O'Melveny Avenue
Los Angeles, California 91340

Prepared for

Los Angeles County Department of Public Works
900 South Fremont Avenue, 5th Floor
Alhambra, California 91803-1331

LAPW-12-11897
December 18, 2012

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Appendix D **Field Notices**


Appendix E **Soil Boring Logs**

Appendix F **Laboratory Analytical Reports and Chain-of-Custody Documentation**


Appendix G **95% Upper Confidence Limit Calculations**

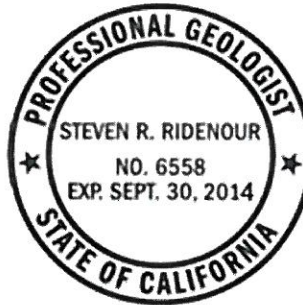
PROFESSIONAL CERTIFICATION

This report has been prepared by


Jonathan Barkman
Project Manager

under the professional supervision and review of


Steve Ridenour, PG
Senior Project Geologist



1 INTRODUCTION

This document presents the results for the step-out soil sampling investigation conducted at the San Fernando High School, in the City of Los Angeles, California. The scope of work for this project was based on the finding and recommendations presented in the *Phase I Environmental Site Assessment Report* (Phase I) and the *Phase II Environmental Site Assessment Report* (Phase II) prepared by Converse Consultants in July 2011 for the Los Angeles County Department of Public Works (DPW) Teen Health Center construction project planned for a portion of the Los Angeles Unified School District (LAUSD) San Fernando High School campus. The subject construction project area is an approximately 16,000 square-foot portion of the campus bound by O'Melveny Avenue to the northeast, Chamberlain Street to the northwest, and San Fernando High School property to the southeast and southwest (henceforth referred to as the "Site"). A Site Vicinity Map and Site Layout Map are presented in Appendix A.

2 LOCATION INFORMATION

Site: San Fernando High School Teen Health Center

Address: 11051 O'Melveny Avenue, Los Angeles, California 91340

3 PROPERTY OWNER

The San Fernando High School Teen Health Center construction project is a joint venture between the DPW and the LAUSD. The land for the project is, and will continue to be, owned by LAUSD, while the Teen Health Center building will be constructed by DPW. The contact for the two stakeholders is as follows:

Los Angeles Unified School District

333 S. Beaudry Avenue, 28th Floor

Los Angeles, California 90017

Contact: Pat Schanen, Environmental Health Manager

Tel: 213-241-1517

Los Angeles County Department of Public Works

900 South Fremont Avenue, 5th Floor

Alhambra, California 91803-1331

Contact: William Honda, Project Manager

Tel: 626-300-2360

4 PREVIOUS ENVIRONMENTAL INVESTIGATIONS

4.1 Converse Consultants Phase I ESA

Converse Consultants (Converse) completed a *Phase I Environmental Site Assessment* report dated July 25, 2011 (Phase I) for the subject site. As presented in the report, the assessment identified the following evidence of recognized environmental conditions (RECs) in connection with the Site:

1. Historical agricultural use;
2. Proximity to the *San Fernando Valley, Area 2* National Priorities List site.

Converse Consultants conducted additional site assessment to investigate potential subject site impacts associated with the identified historical agricultural use and recommended no further action with respect to the identified National Priorities List site (Converse, 2011a).

4.2 Converse Consultants Phase II ESA

Converse Consultants completed a *Phase II Environmental Site Assessment* report dated July 25, 2011 (Phase II) for the subject site. Through the course of the assessment, eight boring locations (B1 through B8) were advanced to a maximum terminus depth of 5 feet below grade surface (bgs). Samples were collected from approximately 0.5 and 2 feet bgs for the 2-foot borings and from approximately 0.5, 2, and 5 feet bgs for the 5-foot borings. Various sample intervals from various borings were analyzed for lead by EPA Test Method 6010B, organochlorine pesticides (OCPs) by EPA Test Method 8081A, Total Petroleum Hydrocarbons by EPA Test Method 8015M and Title 22 Metals by EPA Test Method 6010B/7471A. The assessment identified the following boring locations with reported concentrations above screening levels:

- Borings B-3, B-4 and B-7 for lead at a depth of approximately 0.5 feet (bgs);
- Boring B-6 for arsenic and organochlorine pesticides (OCPs) at depth of approximately 0.5 feet bgs.

The 0.5-foot sample intervals from boring locations B3 and B4 were also analyzed for lead by the Soluble Threshold Limits Concentration (STLC) and Toxicity Characteristic Leaching Procedure methods. Concentrations of soluble lead were reported below screening levels, with the exception of sample B4-0.5 for STLC.

As presented in the Phase II report, Converse Consultants identified the site-specific chemicals of concern (COCs) as lead, arsenic, and the OCP p-p'-dichlorodiphenyltrichloroethane (4,4'-DDT). The report recommended step-out sampling for boring locations B3, B4, B6 and B7 to assess the extent of impact. Converse Consultants also recommended additional waste profile sampling for soils designated for off-site disposal that are represented by sample B4-0.5.

5 OBJECTIVES AND SCOPE OF WORK

The objective of the step-out soil sampling investigation presented in this document is to assess the vertical and lateral extent of subsurface lead-based paint, arsenic and pesticide impacts previously identified in Converse Consultants' Phase II Environmental Site Assessment, dated July 25, 2011.

The investigation was performed in general accordance with Alta Environmental's *Step-out Soil Sampling Investigation Work Plan, Revision 1* dated July 31, 2012 (Appendix C). The scope of work includes soil-matrix sampling and analysis for lead-based paint (LBP), arsenic, and OCPs impacts from existing on-site structures. This investigation does not include an assessment of potentially hazardous building materials that may be present within the Site boundaries.

5.1 Project Screening Levels

Project screening levels for the Site COCs (lead, arsenic, 4,4'-DDT) were developed in consultation with the DWP and LAUSD-OEHS as follows:

- For the metal lead, the screening level of 80 mg/kg (95% Upper Confidence Limit post-remediation concentration) was established based on California Environmental Protection Agency, Office of Environmental Health Hazard Assessment (OEHH) *Revised California Human Health Screening Levels for Lead* (September 2009) for residential land use;
- For the metal arsenic, the screening level of 12 mg/kg was established based on the DTSC *Arsenic Strategies Determination of Arsenic Remediation Determination of Arsenic Cleanup Goals for Proposed and Existing School Sites* dated March 21, 2007; and

- For the pesticide 4,4'-DDT, the discrete screening level of 1.6 mg/kg was established based on the DTSC guidance document, *Use of California Human Health Screening Levels (CHHSLs) in Evaluation of Contaminated Properties for residential land use* (January 2005).

6 SUBSURFACE SITE INVESTIGATION

6.1 Field Preparation

6.1.1 Health and Safety Plan Preparation

Alta Environmental prepared a site-specific Health and Safety Plan (HASP) that was implemented per Occupation Safety and Health Administration (OSHA) requirements (29 CFR 1910.120) to address the proposed scope of work. A tailgate meeting with field personnel to review the scope of work and safety procedures was held at the beginning of each field day. Field personnel were required to review and sign the site-specific HASP before beginning any field work.

6.1.2 Field Work Notices

Approximately three days prior to beginning of the fieldwork, a work notice of the investigation was prepared in English and Spanish and distributed in accordance with Department of Toxic Substance Control guidelines for informing the community surrounding the Site. The work notice presented the proposed field activities and contact information for the investigation, and was distributed to school staff, students and any residences within line of sight of the work area. Weather proof copies of the notices were also posted at conspicuous locations along the perimeter of the Site. Copies of the field notices are provided in Appendix D.

6.1.3 Site Reconnaissance and Utility Notification

Alta Environmental pre-marked all proposed drilling locations and notified Underground Service Alert (USA) at least 48 hours before commencing any drilling activities at the Site. USA notified companies and agencies that may have had underground utilities in the vicinity to mark their respective utilities on the ground with spray paint so that they could be avoided during drilling.

6.1.4 Geophysical Survey

On September 14, 2012, Spectrum Geophysics conducted a geophysical survey of the work area to identify possible buried utilities and other identifiable subsurface anomalies. The geophysical survey was conducted using a Radio Detection 4000 and Dynatel 500 series transmitters with matched receivers, a Fisher TW-6 M-scope, and ground penetrating radar. No significant subsurface interferences were detected and none of the proposed borings required relocation.

6.2 Step-out Soil Sampling Program

6.2.1 Soil Sampling Locations

Alta Environmental subcontracted Strongarm Environmental Field Services, Inc. to provide direct-push drilling methods to facilitate the collection of step-out samples. During the course of the investigation, on two separate days, a total of 34 borings were advanced to a terminus depth of approximately three (3) feet bgs utilizing a Geoprobe® 6620 track mounted drill rig to assess the previously identified COC impacts associated with borings B3, B4, B6, and B7. On September 17, 2012, 12 step-out borings were completed (B3-A through -C, B4-A through -C, B6-A through -C, and B7-A through -C) and on October 15, 2012, and additional 22 step-out borings were completed (B7-1A through -7A, B7-1B through -8B, and B7-1C

through -7C). Step-out boring locations were placed in approximately 5-foot intervals from the original Converse Phase II borings. A map of the soil sampling locations is presented as Figure 3, Appendix A.

6.2.2 Sample Collection and Analysis

Soil samples were collected from each of the 32 borings in various 0.5-foot intervals from approximately 0.5-feet bgs to the terminus depth utilizing a direct-push drill rig with a core sampler lined with a two-inch diameter by four-foot long acetate sleeve. The acetate sleeves used to collect the samples were cut in six-inch long intervals. Following collection, each sample was sealed with polyurethane end-caps, labeled, and then stored in a chilled ice chest for transport under chain-of-custody documentation to American Scientific Laboratories, a State of California-certified laboratory located in Los Angeles, California.

To assess the limits of arsenic, lead, and OCP impacts previously identified by the Phase II, step-down and step-out sample analysis was conducted until the concentrations below project screening levels were obtained, the limits of the sample area were reached, or the project boundary was reached. The various step-out and step-down samples were analyzed by the laboratory as follows:

- Three (3) borings were analyzed for lead by EPA Method 6010B at the 0.5-foot and the 2.5-foot sample intervals to assess the impact associated with Phase II boring B3 (total of 6 samples);
- Three (3) borings were analyzed for lead by EPA Method 6010B at the 0.5-foot and the 2.5-foot sample intervals to assess the impact associated with Phase II boring B4 (6 samples);
- Three (3) borings were analyzed for OCPs by EPA Method 8081A and for arsenic by EPA Method 6020B at the 0.5-foot and the 2.5-foot sample intervals to assess the impacts associated with Phase II boring B6. The samples for OCP analysis were composited by the laboratory for each depth interval (2 composite samples), and the samples for arsenic were analyzed discretely (6 samples);
- Seventeen (17) samples were analyzed for lead by EPA Method 6010B at the 0.5-foot, 1.5-foot, and the 2.5-foot sample intervals, variously, to assess the impact associated with Phase II boring B7 (33 samples);
- Eight (8) borings were archived for future analyses to assess the impact associated with Phase II boring B7

All reusable drilling and sampling equipment was cleaned before each use utilizing a three-bucket wash consisting of a non-phosphate detergent wash, tap water, and deionized/distilled water. Following completion of the investigation, all borings were abandoned by backfilling with hydrated bentonite and sealing the penetration with similar surfacing materials.

6.3 Field Observations

During the investigation, no odors or stained soils were observed from any of the boring locations. No PID readings were observed in the samples collected during this investigation. Soils encountered during the investigation consisted of low plasticity sandy silt with gravel to a maximum depth of 3-feet bgs. Soil boring logs are presented in Appendix E.

6.4 Quality Assurance/Quality Control Measures

Duplicate (co-located) soil samples were collected at a 10% minimum frequency for all analyzed samples. Each duplicate sample submitted to the laboratory for analysis was analyzed for the same constituent as

the primary sample. A total of five (5) duplicate samples were analyzed during this investigation, representing 48 primary samples (10.4%).

6.5 Investigation-derived Wastes

Investigation-derived waste (IDW) generated during field sampling consisted of decontamination water. The IDW was collected in a 55-gallon Department of Transportation (DOT)-approved steel drum, sealed, labeled, and stored in a segregated area of the Site, pending lawful off-site disposal in coordination with LAUSD-OEHS. Final waste manifests will be provided once IDW is removed from the site.

7 FINDINGS AND CONCLUSIONS

7.1 Analytical Results

Shallow soil lead, arsenic, and OCP sampling was conducted in general accordance with the Site *Step-out Soil Sampling Investigation Work Plan, Revision 1*. The laboratory reported concentrations of lead ranging from 0.618 to 788 mg/Kg, arsenic ranging from not detected below the laboratory detection limit (ND) to 6.03 mg/Kg, and 4,4'-DDT ranging from ND to 103 µg/Kg. The laboratory reports are presented in Appendix F and the results are summarized in Tables 1, 2, and 3. The sample locations reported with lead, arsenic, or OCP concentrations detected above project screening levels are presented in Figure 3.

As discussed in Section 6.2.2, step-down and lateral step-out sampling was conducted until the detected lead, arsenic, or OCP concentrations were reported as less than project screening levels, the Site boundary was reached, access was limited, or the limits of the sample area were reached. The step-out soil sampling program was able to achieve lateral and vertical definition for all areas of elevated project COCs, with the exception of the southern portion of soils associated with boring B7-C. Three (3) boring locations along the southeastern boundary of the sample area were reported as above the 80 mg/kg project screening level for concentrations of lead.

7.2 Areas of Impacted Soil

Based on the results of the step-out soil sampling conducted during the course of this investigation, Alta Environmental finds the following:

- The potential limits of the two (2) lead impacted areas associated with the former chicken coop structure (Area 1 and Area 2) are each defined by a set of three (3) step-out borings, with an approximate depth of impact to 2.5 feet bgs;
- The potential limit of the arsenic and 4,4'-DDT impacted area associated the metal storage container (Area 4) are defined by a set of three (3) step-out borings, with an approximate depth of impact to 2.5 feet bgs; and
- The potential limits of the lead impacted area associated with the metal storage container (Area 3) are defined by a set of 6 step-out borings, with an approximate depth of impact to approximately 1.5 feet bgs. As discussed above (Section 7.1), three (3) boring locations along the southeastern boundary of the sample area were reported as above the 80 mg/kg project screening level for concentrations of lead. The DTSC allows for individual soil chemical concentrations to exceed the CHHSL value for lead as long as the overall 95 percent upper confidence limit on the mean concentration (95% UCL) do not exceed 80 mg/kg. The 95% UCL lead concentration for this site was calculated to be 72.78 mg/Kg and is presented in Appendix D. Any soil lead concentration that caused the estimated 95UCL to exceed a value of 80 mg/kg was considered to pose a potential health risk and considered for remediation.

The areas of Site COC impacted soils are presented in Figure 3, Appendix A. The estimated volume of impacted soil for each of these areas is as follows:

Area of Impact	Chemical of Concern	Waste Categorization	Volume of Potentially Impacted Soil
Area 1	Lead	Non-Hazardous	5.85 Cubic Yards
Area 2	Lead	Non-RCRA, California Hazardous	6.09 Cubic Yards
Area 3	Lead	Non-RCRA, California Hazardous	56.47 Cubic Yards
Area 4	Arsenic & 4,4'-DDT	Non-Hazardous	6.29 Cubic Yards
Total			74.70 Cubic Yards

To assess the potential mean lead concentration of Site soils remaining in place following the removal of soils from Areas 1 through 4, a 95UCL calculation was performed. This calculation produces a 95% upper confidence level for the mean lead concentration of soil remaining in place to be 72.82mg/Kg, which is below the Site screening level of 80 mg/Kg. Calculations are presented as Appendix G.

8 RECOMMENDATIONS

Based on the findings and conclusions presented in this Step-out Soil Sampling Report, recommends the submittal of a Removal Action Workplan for review and approval, and subsequent Removal Action Workplan implementation to address the identified subsurface soil impact areas within the project boundary.

9 ASSUMPTIONS AND LIMITATIONS

This Step-out Soil Sampling Report was prepared exclusively for use by the Los Angeles County Department of Public Works and the Los Angeles Unified School District and may not be relied upon by any other person or entity without Alta Environmental's express written permission. The information, conclusions and recommendations described in this report apply to conditions existing at certain locations when services were performed and are intended only for the specific purposes, locations, time frames and project parameters indicated. Alta Environmental cannot be responsible for the impact of any changes in environmental standards, practices or regulations after performance of services.

In performing our professional services, we have applied present engineering and scientific judgment and used a level of effort consistent with the current standard of practice for similar types of studies.

As applicable, Alta Environmental has relied in good faith upon representations and information furnished by individuals with respect to operations and existing property conditions, to the extent that they have not been contradicted by data obtained from other sources. Accordingly, Alta Environmental accepts no responsibility for any deficiencies, omissions, misrepresentations, or fraudulent acts of persons interviewed.

Alta Environmental will not accept any liability for loss, injury claim, or damage arising directly or indirectly from any use or reliance on this report. Alta Environmental makes no warranty, expressed or implied.

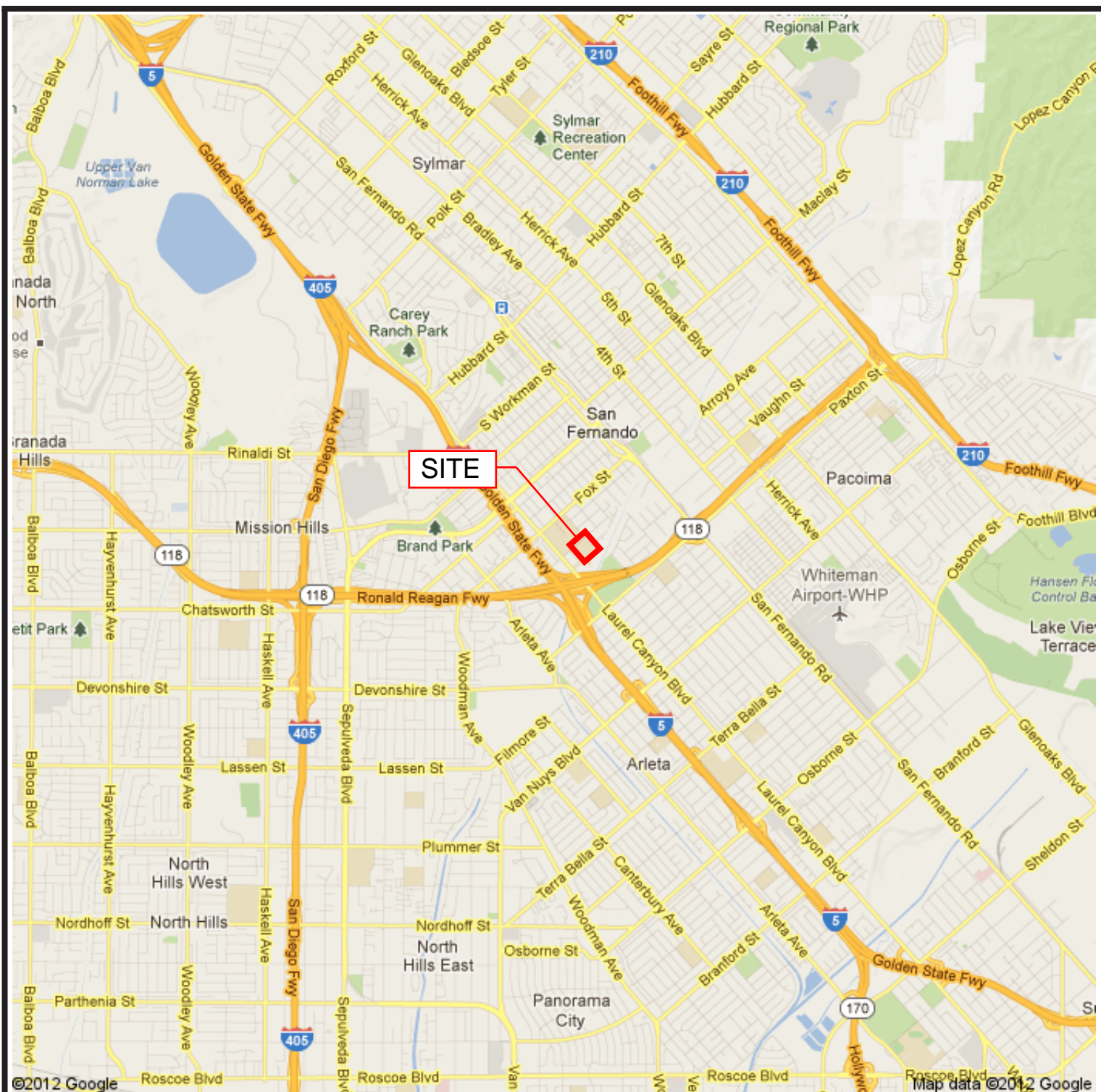
This report is issued with the understanding that the client, the property owner, or its representative is responsible for ensuring that the information, conclusions, and recommendations contained herein are brought to the attention of the appropriate regulatory agencies, as required.

10 REFERENCES

1. California Environmental Protection Agency (Cal/EPA), Office of Environmental Health Hazard Assessment, Integrated Risk Assessment Section, Human-Exposure-Based Screening Numbers Developed to Aid Estimation of Cleanup Costs for Contaminated Soil, November 2004, January 2005 Revision.
2. California Environmental Protection Agency, Office of Environmental Health Hazard Assessment (OEHHA), Revised California Human Health Screening Levels for Lead, September 2009.
3. California Department of Toxic Substances Control (DTSC), California Environmental Protection Agency, Toxicity Criteria Database. On-line database: <http://www.oehha.ca.gov/risk/chemicalDB/index.asp>, November 2010.
4. California Regional Water Quality Control Board – Los Angeles Region, Interim Site Assessment & Cleanup Guidebook, May 1996.
5. Department of Toxic Substances Control (DTSC), Cal/EPA, *Preliminary Endangerment Assessment Guidance Manual*, January 1994 (Second Printing June 1999).
6. Converse Consultants (Converse), 2011a, *Phase I Environmental Site Assessment, San Fernando High School Teen Health Center, San Fernando, California*, July 25, 2012
7. Converse, 2011b, *Phase II Environmental Site Assessment, Proposed San Fernando High School Teen Health Center, San Fernando, California*, July 25, 2012
8. DTSC, *Interim Guidance: Evaluation of School Sites with Potential Soil Contamination as a Result of Lead From Lead-Based Paint, Organochlorine Pesticides From Termiticides, and Polychlorinated Biphenyls From Electrical Transformers*, Revised June 9, 2006.
9. DTSC, 1994a, *Preliminary Endangerment Assessment Guidance Manual*, 1994 (revised 1999).

Appendix A

Figures 1 through 3



— Approximate Outline of Site

FIGURE 1: SITE LOCATION MAP

SITE: Proposed SFHS Teen Health Center
11051 O'Melveny Ave, San Fernando, CA

DRAWN: RS

APPROV.: JB

SCALE: Not to Scale

DATE: 11/12

CLIENT: Los Angeles County Depart of Public Works

SOURCE: Google Maps 2012



ALTA
ENVIRONMENTAL

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Long Beach, CA 90807
Phone: (562) 495-5777





Approximate Site Boundary

FIGURE 2: SITE LAYOUT MAP

SITE: Proposed SFHS Teen Health Center
11051 O'Melveny Ave, San Fernando, CA

DRAWN: RS

APPROV.: JB

SCALE: Not to Scale

DATE: 11/12

CLIENT: Los Angeles County Department of
Public Works

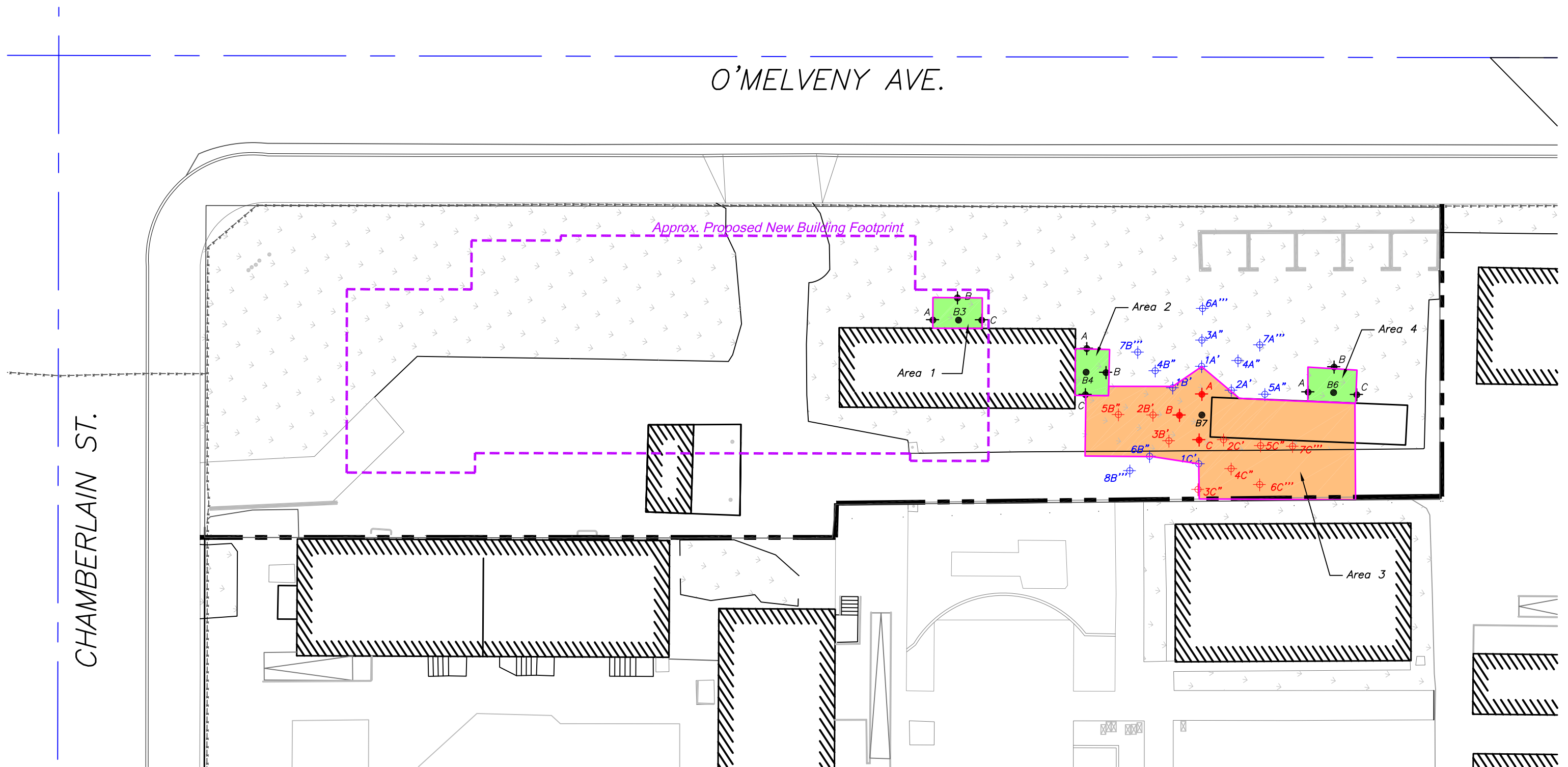
SOURCE: Google Earth Pro. 2010



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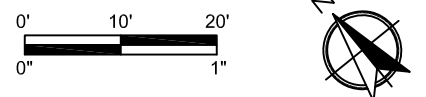


LEGEND:

- Previous Investigation Boring Locations (Converse Consultants, 2011)
- ◆ Step-Out Boring Locations
- ◆ Step-Out Boring Locations (Results above Screening Levels)
- ◆ Additional Step-Out Boring Locations
- Orange Proposed Excavation Area 1.5' Below Ground Surface
- Green Proposed Excavation Area 2.5' Below Ground Surface
- Approximate Site Boundary

Figure 3: Soil Boring Locations and Proposed Excavation Areas

CLIENT: Los Angeles County Department of Public Works		SITE LOCATION: San Fernando Teen Health Center 11133 O'Melveny Avenue San Fernando, California	
PROJECT #: LAPW-12-11897			
 ALTA ENVIRONMENTAL	3777 Long Beach Blvd, Annex Bldg. Long Beach, CA 90807 (562) 495-5777 www.altaenviron.com	DRAWN: KD	APPROVED: JB
		SCALE: 1" = 20'	DATE: 11/2012



Appendix B

Tables 1 through 3

TABLE 1
 Soil Matrix Sample Results for OCPs
 San Fernando High School Teen Health Center
 11051 North O'Melveney Avenue
 San Fernando, California

Sample ID	Sample Date	Sample Depth (feet bgs)	OCPs			
			Gamma-Chlordane	alpha-Chlordane	Total Chlordane	4,4'-DDT
Units:			µg/kg	µg/kg	µg/kg	µg/kg
PQL (µg/kg):			2.0	2.0	2.0	4.0
Screening Level:					430	1,600
Composite A	9/17/2012		2.39	4.32	6.71	103
Composite B	9/17/2012		ND	ND	ND	ND

NOTES:

Composite A = B3-A-0.5, B3-B-0.5, B3-C-0.5

Composite B = B3-A-2.5, B3-B-2.5, B3-C-2.5

ND = Indicates constituents not detected above the PQL

PQL = Practical Quantitation Limit

µg/Kg = micrograms per kilogram

bgs = Below ground surface

TABLE 2
Soil Matrix Sample Results for Arsenic
San Fernando High School Teen Health Center
11051 North O'Melveney Avenue
San Fernando, California

Sample ID	Sample Date	Sample Depth (feet bgs)	Arsenic
Units:			mg/Kg
PQL (mg/kg):			0.25
Screening Level:			12.0
B6-A-0.5	9/17/2012	0.5	1.59
B6-B-0.5	9/17/2012		2.03
B6-B-0.5 Dup	9/17/2012		1.91
B6-C-0.5	9/17/2012		6.03
B6-A-2.5	9/17/2012	2.5	0.431
B6-B-2.5	9/17/2012		ND
B6-C-2.5	9/17/2012		0.718

NOTES:

ND = Indicates constituents not detected above the PQL

PQL = Practical Quantitation Limit

mg/Kg = milligrams per kilogram

bgs = Below ground surface

TABLE 3
Soil Matrix Sample Results for Lead
San Fernando High School Teen Health Center
11051 North O'Melveney Avenue
San Fernando, California

Sample ID	Sample Date	Laboratory COC	Sample Depth (feet bgs)	Lead
Units:				mg/Kg
PQL (mg/kg):				0.25
Screening Level:				80.0
B3-A-0.5	9/17/2012	54768	0.5	24.3
B3-B-0.5	9/17/2012	54768		37.2
B3-C-0.5	9/17/2012	54768		8.42
B4-A-0.5	9/17/2012	54768		70.9
B4-A-0.5 Dup	9/17/2012	54768		53.9
B4-B-0.5	9/17/2012	54768		5.05
B4-C-0.5	9/17/2012	54768		4.02
B7-A-0.5	9/17/2012	54768		788
B7-1A-0.5	10/15/2012	55022		26.2
B7-1A-0.5 Dup	10/15/2012	55022		30.3
B7-2A-0.5	10/15/2012	55022		30.0
B7-B-0.5	9/17/2012	54768		31.9
B7-B-0.5 Dup	9/17/2012	54768		306
B7-1B-0.5	10/15/2012	55022		19.5
B7-2B-0.5	10/15/2012	55022		163
B7-3B-0.5	10/15/2012	55022		140
B7-5B-0.5	10/15/2012	55115		88.9
B7-6B-0.5	10/15/2012	5515		5.15
B7-C-0.5	9/17/2012	54768		182
B7-1C-0.5	10/15/2012	55022		6.79
B7-1C-0.5 Dup	10/15/2012	55022		15.4
B7-2C-0.5	10/15/2012	54768		232
B7-3C-0.5	10/15/2012	55210		139
B7-4C-0.5	10/15/2012	55178		127
B7-5C-0.5	10/15/2012	55115		245
B7-6C-0.5	10/15/2012	55210		167
B7-7C-0.5	10/15/2012	55178		88.6
B7-A-1.5	9/17/2012	55163	1.5	2.93
B7-B-1.5	9/17/2012	55163		2.27
B7-C-1.5	9/17/2012	55163		1.92
B7-2B-1.5	10/15/2012	55162		11.4
B7-3B-1.5	10/15/2012	55162		6.76
B7-5B-1.5	10/15/2012	55162		22.6
B7-2C-1.5	10/15/2012	55162		76.7
B7-3C-1.5	10/15/2012	55280		9.53
B7-5C-1.5	10/15/2012	55162		2.06
B7-6C-1.5	10/15/2012	55280		65.2
B3-A-2.5	9/17/2012	54768	2.5	2.03
B3-B-2.5	9/17/2012	54768		1.70
B3-C-2.5	9/17/2012	54768		1.95
B4-A-2.5	9/17/2012	54768		2.23
B4-B-2.5	9/17/2012	54768		1.82
B4-C-2.5	9/17/2012	54768		2.38
B7-A-2.5	9/17/2012	54768		2.00
B7-B-2.5	9/17/2012	54768		2.26
B7-C-2.5	9/17/2012	54768		0.618

NOTES:

PQL = Practical Quantitation Limit

mg/Kg = milligrams per kilogram

bgs = Below ground surface

Appendix C

Step-out Soil Sampling Investigation Work Plan



July 31, 2012

Mr. William Honda
Project Manager
Los Angeles Department of Public Works
900 S. Fremont Avenue, 5th Floor
Alhambra, California 91803

Re: Step-out Soil Sampling Investigation Work Plan
San Fernando High School Teen Health Center
11051 North O'Melveny Avenue, San Fernando, California

Dear Mr. Honda:

Alta Environmental is pleased to present this work plan for the performance of a step-out soil investigation at the San Fernando High School Teen Health Center located at 11051 North O'Melveny Avenue, San Fernando, California (herein referred to as the "Site"). The objective of the step-out soil sampling investigation is to assess the vertical and lateral extent of subsurface soil matrix impacts associated with the borings of concern (B-3, B-4, B-6, B-7) identified in the Phase II Environmental Site Assessment report by Converse Consultants, dated July 25, 2011.

SCOPE OF WORK

1 PRE-FIELD ACTIVITIES

Alta Environmental will conduct the planning, preparation, and project scoping required for management of the subsurface investigation.

1.1 Health and Safety Plan Preparation

Alta Environmental has prepared the attached site-specific health and safety plan (HASP) to address potential hazards associated with the soil sampling activities. The HASP will be prepared in general accordance with guidelines set forth in Title 8 of the California Code of Regulations (CCR), Section 5192 (8 CCR 5192), Title 29 of the Code of Federal Regulations (CFR) Part 1926.650 (29 CFR 1926.650), and 29 CFR 1919.120. Field personnel will be required to review and sign the site-specific HASP before beginning any fieldwork.

1.2 Underground Services Alert

Prior to any subsurface investigation activities, we will conduct a Site reconnaissance to locate and mark all proposed boring locations. All locations will be marked with white spray paint, as required by Underground Service Alert (USA). USA will then be notified at least 48 hours before any sampling activities commence at the Site. USA will notify companies and agencies that may have underground utilities in the vicinity to mark their respective utilities on the ground with spray paint so that they can be avoided during sampling. The ticket number provided by USA will be included in the investigation report.

A geophysical survey will also be conducted in an effort to locate detectable utilities at the proposed boring locations so they can be avoided during drilling. The survey will include the use of various utility-locating equipment, including ground-penetrating radar. Detected subsurface features will be marked on the ground with spray paint in a color code established by the American Public Works Association.

Alta Environmental

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2 SUBSURFACE INVESTIGATION

2.1 Soil Matrix Sampling and Analysis

The July 2011 Phase II investigation report by Converse Consultants identified concentrations above screening levels for lead at the former chicken coop building in boring B-3 and B-4, and at the adjacent metal trailers in boring B-7. The subject report also identified concentrations above screening levels for organochlorine pesticides (OCP) and arsenic at the metal trailers in boring B-6. Alta Environmental proposes to advance a total of 10 borings to a target depth of 2.5 feet below grade surface (bgs) using hand-auger and continuous core, direct-push drilling methods to evaluate the lateral and vertical extent of these soil impacts (see Figure 1).

Step-out soil borings will be located to bound each of the identified areas of contamination. The step-out borings will be placed approximately 10 feet laterally from each of the previous identified borings of concern, as presented in Figure 1. Soil samples will be collected in 0.5-foot intervals from 0.5-feet bgs to the terminus depth utilizing a core sampler lined with pre-cleaned sampling sleeves. Following soil collection, the sleeves will be sealed with Teflon® sheeting and plastic end-caps, labeled, and stored in a chilled ice chest for transport under chain-of-custody documentation to American Environmental Testing Laboratory, a State of California-certified laboratory. Each sample interval at 0.5-feet bgs and 2.5-feet bgs from the 10 borings will be analyzed by the laboratory as follows:

- Eight (8) of the borings will be analyzed for lead by EPA Method 6010B (total of 16 samples);
- Three (3) of the borings will be analyzed for arsenic by EPA Method 6010B and OCPs by EPA Method 8081A (total of 6 samples). Samples for OCP analysis will be composited by the laboratory with a maximum ratio of 3 discrete samples per composite.

Soils encountered during the investigation will be logged using the Unified Soils Classification System (USCS) and the sampling depths will be documented on field inspection sheets for each boring. All hand-auger and direct-push drilling and sampling equipment will be thoroughly cleaned before use in a three-bucket wash consisting of a non-phosphate detergent solution, a tap water rinse, and a deionized water rinse. Following completion of the investigation, all borings will be backfilled with bentonite and sealed with similar surfacing materials.

2.2 Investigation-derived Wastes

Investigation-derived wastes, if generated during the field operations, will be placed in 55-gallon DOT-approved drums and stored in a secure area on-site pending profiling. The drums will subsequently be transported off-site to a licensed disposal facility under the appropriate waste manifests.

2.3 Quality Assurance/Quality Control (QA/QC) Measures

The following QA/QC procedures will be followed during sampling and analysis:

- Duplicate soil samples will be collected and analyzed at a frequency of approximately 10 percent of the primary samples. The duplicate soil sample will be analyzed for the same parameters as the primary sample;
- Equipment blank samples will be collected daily for each type of sampling equipment and analyzed for the same parameters as the soil samples being analyzed on that day.

3 REPORT PREPARATION

Alta Environmental will prepare an investigation report following receipt of all analytical data. The results of the investigation will be compared to the Department of Toxic Substance Control established arsenic and lead screening levels for school sites and the Office of Environmental Health Hazard Assessment established California Human Health Screening Levels for OCPs. The report will include a summary of the soil sampling procedures and activities, tables summarizing the analytical results, Site and sample location figures, boring logs, copies of the laboratory analytical reports with chain-of-custody documentation, and our conclusions and recommendations. A comparison of the laboratory reported sample results will be made with the report will be reviewed and signed by a California Professional Geologist.

The opportunity to be of service to you is sincerely appreciated. If you have any questions, please call us at (562) 495-5777.

Respectfully submitted by:

Alta Environmental



Jonathan Barkman
Project Manager/Senior I

Attachments: Figure 1 – Proposed Boring Locations
Site-specific Health and Safety Plan

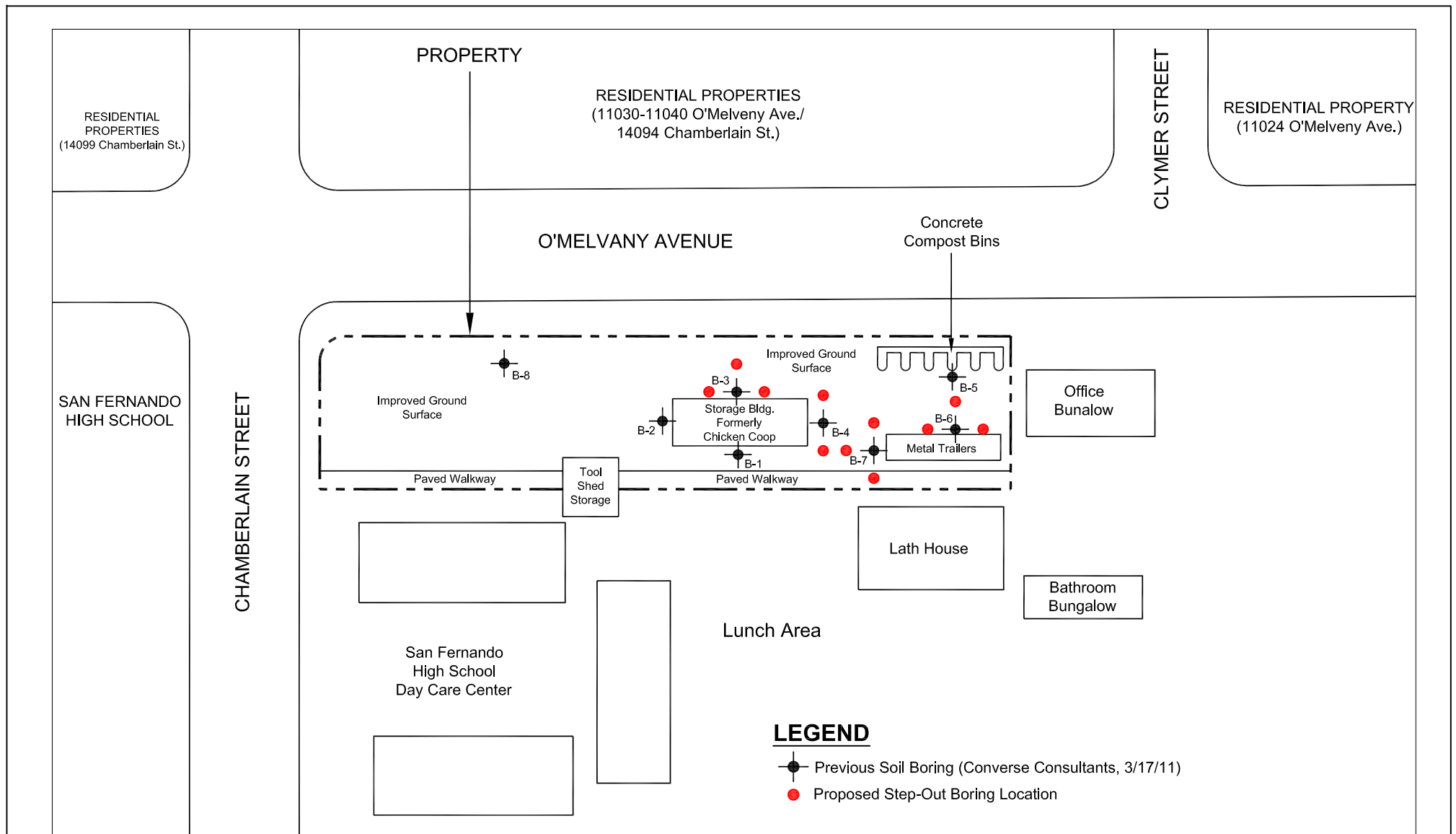


Figure 1: Proposed Boring Locations

CLIENT:
Los Angeles County Department of Public Works

PROJECT #: LAPW-12-11897

SITE LOCATION:

San Fernando Teen Health Center
11133 O'Melveny Avenue
San Fernando, California



ALTA
ENVIRONMENTAL

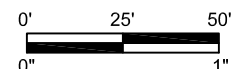
3777 Long Beach Blvd, Annex Bldg.
Long Beach, CA 90807
(562)495-5777 www.altaenviron.com

DRAWN: RS

SCALE: 1":50'

APPROVED: JB

DATE: July 2012





HEALTH & SAFETY PLAN STEP-OUT SOIL SAMPLING INVESTIGATION

San Fernando High School Teen Health Center
11133 O'Melveny Avenue, San Fernando, California

Prepared for

Los Angeles Department of Public Works
900 South Fremont Avenue, 5th Floor
Alhambra, California 91803

HASP StepOut
July 26, 2012

A handwritten signature in blue ink, appearing to read "J. Barkman", written over a horizontal line.

Jonathan Barkman
Project Manager

A handwritten date "7/26/2012" in blue ink, written over a horizontal line.

Date

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1 APPLICABLE STANDARDS AND GOALS

1.1 Administration Information

Site Name: San Fernando High School Teen Health Center

Site Location: 11133 O'Melveny Avenue, San Fernando, California

Project Manager: Jonathan Barkman

Site Safety Officer: Kristyn Drake

1.2 General

This HASP was prepared in accordance with guidelines set forth in Title 8 of the California Code of Regulations, Section 5192 (8 CCR 5192). In addition, this HASP also describes the health effects and standards for known contaminants and the procedures designed to account for the potential for exposure to unknown substances.

1.3 Scope and Applicability of the Health and Safety Plan

This plan establishes requirements and provides guidelines for worker safety and hazard identification during soil sampling at the Los Angeles Department of Public Works (LADPW) San Fernando High School Teen Health Center, San Fernando, Los Angeles California (Figure 1, Appendix B). The purpose of this plan is to identify procedures for avoiding potential hazards from chemicals, equipment, or the environment, and for responding to serious injury or accident. The safety rules given in this plan cannot cover every eventuality. It is expected that all workers involved will exercise good judgment in safety matters, and each of LADPW's contractors working on the Site will follow its own company health and safety plan. However, Alta Environmental will inform the contractors as soon as possible about environmental conditions monitored by us when these conditions (such as increased vapor concentrations) may require appropriate actions. Under no circumstances will Alta Environmental direct the contractors' operation of equipment and adherence to their specific health and safety requirements.

2 ROLES AND RESPONSIBILITIES

A number of roles are required for the safe and efficient operation of a field team. These roles include Project Manager, Health and Safety Manager, Field Team Leader, Site Safety Officer (SSO) and field personnel. A team member may take on more than one role, but the roles must be clearly assigned and must cover all positions required

2.1 Project Manager

The Project Manager is responsible for the overall operation of the project, including safety during field activities. Specific responsibilities include organization of all project work assignments, assigning personnel

to specific duties, ensuring that the field team follows health and safety procedures approved by the Health and Safety Manager, and overall quality assurance/quality control of the project. The Project Manager will also be responsible for the day-to-day progress of the project and will hold review and planning meetings as necessary with all technical staff, during which the current progress, problems encountered, and future direction will be discussed.

2.2 Health and Safety Manager

The Health and Safety Manager is responsible for the design and, with assistance from the Project Manager on personnel issues, implementation of the health and safety program for this project. This includes developing a site HASP, ensuring that all on-Site workers have met the necessary health and safety training requirements and are knowledgeable about the work they will perform, assigning a qualified SSO to the field team, verifying compliance with all applicable safety and health requirements, and updating equipment and procedures based on new information gathered during the course of work.

2.3 Field Team Leader

The Field Team Leader is responsible for the operation of the field team. Responsibilities include organization of field activities, compliance with the provisions of the Site Work Plan, field documentation and record keeping, quality control of field activities, and communication with the Site's correspondent. The Field Team Leader, along with the SSO, must also ensure that subcontractors and outside observers comply with the HASP.

2.4 Site Safety Officer

The SSO works closely with the Site Manager to provide general project oversight and to enforce the provisions of the HASP during field activities. The following activities will be performed by the SSO:

- Evaluating and amending the HASP daily to remedy deficiencies and post entry briefings;
- Determining the levels of personal protection based on observations or changing field conditions;
- Controlling Site entry and exit;
- Briefing the field team on the health and safety decontamination procedures required for various field activities;
- Monitoring the field team for signs of stress or exposure;
- Initiating emergency procedures, if necessary;
- Verifying that field team members have met the health and safety requirements for field activities;
- Being available to document and respond to any concerns or complaints made by personnel on-Site;
- Documenting unsafe work practices or conditions;
- Documenting any accidents or incidents that result in illness or injury to personnel; and

- Issuing stop work notices if site conditions become unsafe, with conference with the Project Manager and/or the Health and Safety Manager.

2.5 Field Technicians

The field technicians are responsible for complying with the HASP, notifying the SSO of hazardous or potentially hazardous conditions, and carrying out specialized tasks during field operations. These tasks include inspecting, calibrating, maintaining, and using field equipment; performing site characterization activities; maintaining decontamination stations; preparing and decontaminating sampling equipment; collecting and preserving samples; and packaging and shipping samples according to proper chain-of-custody procedures.

3 TRAINING AND MEDICAL MONITORING REQUIREMENTS

Staff and subcontractors participating in the fieldwork must have completed a 40-hour health and safety training course (8 CCR 5192(e)) as appropriate for their particular tasks and have annual refresher training. Before personnel arrive on-Site, each employer will be responsible for certifying that its employees meet the Cal/OSHA training requirements.

Each employee will be familiar with the requirements of the site safety and health plan, and will participate in site activity and safety briefings. Medical surveillance is conducted as a routine program, which meets the requirements of 8 CCR 5192 (f); the medical surveillance program is detailed in Appendix F. There will not be any special medical tests or examinations required for staff involved in this project.

All personnel will be trained to operate their respective equipment, including respiratory protection if site conditions exist where respirators are needed. Under no circumstance will untrained or unqualified personnel operate equipment.

4 DESCRIPTION OF FIELDWORK

Fieldwork will be performed in accordance with Alta Environmental's proposal for *Step-out Soil Sampling Investigation and Remediation Work Plan Development Services San Fernando High School Teen Health Center*, dated June 29th, 2012. The major field activities planned for this shallow soil sampling project are discussed in the following sections.

4.1 Underground Services Alert

Prior to any subsurface investigation activities, we will conduct a Site reconnaissance to locate and mark all proposed boring locations. All locations will be marked with white spray paint, as required by Underground Service Alert (USA). USA will then be notified at least 48 hours before any sampling activities commence at the Site. USA will notify companies and agencies that may have underground utilities in the vicinity to mark their respective utilities on the ground with spray paint so that they can be avoided during sampling.

4.2 Step-out Sampling and Analysis Program

Alta Environmental proposes to advance a total of 10 borings to a target depth of 2.5 feet below grade surface (bgs) using hand-auger and continuous core, direct-push drilling methods to evaluate the lateral and vertical extent of soil impacts related to lead based paint residue and the historical application of termiticides in the vicinity of onsite buildings and structures (see Figure 1).

Soil samples will be collected in 0.5-foot intervals from 0.5-feet bgs to the terminus depth utilizing a core sampler lined with pre-cleaned sampling sleeves. Following soil collection, the sleeves will be sealed with Teflon® sheeting and plastic end-caps, labeled, and stored in a chilled ice chest for transport under chain-of-custody documentation to a State of California-certified laboratory for analysis. Each sample interval at 0.5-feet bgs and 2.5-feet bgs from the 10 borings will be analyzed by the laboratory as follows:

- Eight (8) of the borings will be analyzed for lead by EPA Method 6010B (total of 16 samples);
- Three (3) of the borings will be analyzed for arsenic by EPA Method 6010B and OCPs by EPA Method 8081A (total of 6 samples).

Soils encountered during the investigation will be logged using the Unified Soils Classification System (USCS) and the sampling depths will be documented on field inspection sheets for each boring. All hand-auger and direct-push drilling and sampling equipment will be thoroughly cleaned before use in a three-bucket wash consisting of a non-phosphate detergent solution, a tap water rinse, and a deionized water rinse. Following completion of the investigation, all borings will be backfilled with bentonite and sealed with similar surfacing materials.

4.3 Quality Assurance/Quality Control (QA/QC) Measures

The following QA/QC procedures will be followed during sampling and analysis:

- Duplicate soil samples will be collected and analyzed at a frequency of approximately 10 percent of the primary samples. The duplicate soil sample will be analyzed for the same parameters as the primary sample;
- Equipment blank samples will be collected daily for each type of sampling equipment and analyzed for the same parameters as the soil samples being analyzed on that day.

4.4 Equipment Decontamination

All equipment that comes into contact with potentially contaminated soil or water will be decontaminated consistently to assure the quality of samples collected. All hand-auger and direct-push drilling and sampling equipment will be thoroughly cleaned before use in a three-bucket wash consisting of a non-phosphate detergent solution, a tap water rinse, and a deionized water rinse. Generated decontamination water produced will be placed in Department of Transportation (DOT)-approved 55-gallon drums and labeled as decontamination water with the date and boring numbers. Disposition of decontamination fluids will be determined upon receipt of the investigation analytical results.

4.5 Management of Investigative-Derived Waste

Investigation-derived wastes, if generated during the field operations, will be placed in 55-gallon DOT-approved drums and stored in a secure area on-site pending profiling. The drums will subsequently be transported off-site to a licensed disposal facility under the appropriate waste manifests.

5 CHEMICAL HAZARDS

The primary potential constituents of concern associated with the project are metals lead and arsenic, and organochlorine pesticides (OCPs). Brief toxicological profiles of the major constituents of concern are included below and in Appendix G. Chemical and physical characteristics of these compounds are presented in Table 1 (Appendix A).

Potential exposures to these chemicals during field activities include the following:

- Dermal contact with and accidental ingestion of potentially contaminated rinse liquid and soil residue during decontamination and sampling; and
- Splash hazards during decontamination.

Personal Protection Equipment use is presented in Section 7.

5.1 Hazard Assessment

A literature review was conducted to find ionization potentials (IPs), exposure limits, and concentrations immediately dangerous to life and health (IDLH) for the constituents of concern in environmental media at the Site. Exposure limit data are expressed as 8-hour time-weighted averages (TWAs). TWAs promulgated in OSHA regulations are referred to as permissible exposure limits (PELs). The American Conference of Governmental and Industrial Hygienists adopt values for exposure limits that are referred to as threshold limit values (TLVs).

Materials	Route of Exposure	Symptoms	Target Organs
Lead	Inhalation/ingestion/ skin or eye contact	Lassitude, insomnia; facial pallor; anorexia, low weight, malnutrition; constipation, abdominal pain, colic; anemia; gingival lead line; tremors; paralysis in the wrists, ankles; encephalopathy; kidney disease; irritation of the eyes; hypotension	Eyes, GI tract, CNS, kidneys, blood, gingival tissue
Arsenic	Inhalation/absorption/ contact/ ingestion	Ulceration of nasal septum, dermatitis, FI disturbances, respiratory irritation, hyper pigmentation of the skin	Liver, kidneys, skin, lunch, lymphatic system

Materials	Route of Exposure	Symptoms	Target Organs
OCPs (dieldrin)	Inhalation/ingestion/ skin absorption/skin or eye contact	Headache, dizziness; nausea, vomiting, malnutrition, sweating; myoclonic limb jerks; clonic, tonic convulsions; coma; [carcinogen]	CNS, liver, kidneys, skin

6 PHYSICAL HAZARDS

Field personnel should be aware of and act to minimize dangers associated with physical hazards typically encountered during site activities. These hazards include heat-related illnesses, uneven terrain, slippery surfaces, and lifting. Personnel will walk at all times. Running greatly increases the probability of slips, trips, and falls.

6.1 Heat Stress

The potential for heat stress is elevated during the summer months due the seasonal increase in ambient temperatures. Heat illness prevention and monitoring activities are summarized Appendix E, and will be conducted in accordance with Title 8 of the California Code of Regulations Section 3395.

6.2 Severe Weather

During extreme weather conditions, the Field Team Leader shall use his/her best judgment and has the authority to stop fieldwork or dismiss workers for the day. Examples of conditions that may warrant work stoppage include, but are not limited to: thunder storms, tornado warnings, high winds, hail, and flooding.

Fieldwork shall not be conducted when lightning can be seen or thunder heard from the work area. When lightning and/or thunder occur, employees are to cease work, perform emergency personal and equipment decontamination as needed, and then seek shelter.

6.3 Heavy Equipment

Any equipment defects that affect safety will be corrected by the LADPW's contractor in a timely manner so that a personnel hazard is not created. When defects make continued operation hazardous to personnel, the defective equipment will be taken out of service and placed in the designated area for repair. Once tagged out, continued use of equipment is prohibited until the defects are repaired. Defects on self-propelled mobile equipment affecting safety that are not corrected immediately will be reported to the Field Team Leader. The Field Team Leader will keep a log that will include the date the defect was reported, the equipment's identification, a description of the defect, and the date of repair.

Equipment repairs or maintenance will be performed only after the power is off, and the equipment is blocked against hazardous motion. Equipment motion or activation is permitted to the extent that adjustments or testing cannot be performed without such motion or activation, provided that people are effectively protected from hazardous motion.

Operators of self-propelled mobile equipment will maintain control of the equipment while it is moving. Operating speeds will be consistent with conditions of roadways, grades, clearances, visibility, traffic, and

the type of equipment used. Equipment will be operated at speeds that permit stopping in no more than half the visibility distance.

People will not be transported

- in or on dippers, clamshells or buckets,
- in beds of mobile equipment,
- atop loads in mobile equipment,
- outside cabs, equipment operator's stations, or beds of mobile equipment, and
- to or from work areas in overcrowded equipment (i.e., the vehicle will not carry more people than the number of seats on that vehicle).

All self-propelled mobile equipment will be equipped with a service brake system capable of stopping and holding the equipment with its typical load on the maximum grade it travels (does not apply to equipment not originally equipped with brakes). If equipped, the parking brake on self-propelled mobile equipment will be capable of holding the equipment under typical load condition on the maximum travel grade.

All braking systems installed on self-propelled mobile equipment will be maintained in a functional condition.

Front-end loaders and bulldozers should have protection from falling objects.

Seat belts meeting the requirements of SAE J386, *Operator Restraint Systems for Off-Road Work Machines*, 1985, will be provided and worn in haulage trucks. Seat belts will be maintained in functional condition and replaced when necessary to assure proper performance.

Mobile equipment will not be left unattended unless the controls are placed in the park position, the parking brake, if provided, is set, and the ignition turned off.

People will not work on top of, under, or from mobile equipment in a raised position until the equipment has been blocked or secured to prevent it from rolling or falling accidentally.

Care will be taken to locate all overhead power lines before sampling activity begins. Under no circumstances should any part of the mobile equipment be positioned within the minimum clearance from exposed and energized electrical wires. The equipment operator will ensure there is sufficient overhead clearance (i.e., no part of the equipment will hit or touch any overhead obstruction when raised nor will it hit or touch any object while being raised) before raising any part of the equipment through careful preplanning.

This HASP is not designed to protect personnel entering sampling areas requiring protective systems. If it becomes necessary for someone to enter such an area, the Project Manager must request that the SSO develop an acceptable entry procedure.

6.4 Electrocutation

Electrical power lines above (overhead) and below ground will be identified at the Site before to the start of any activities to prevent electrocution. Minimum safe distance will be established by the SSO in areas of overhead and underground power lines. Subcontracted utility locating services will be used as necessary to locate or confirm the presence of suspected underground utilities at drilling or boring locations.

6.5 Slippery Terrain, Slips, Trips and Falls

Slippery and uneven terrain is common and may increase the risk of injuries. Personnel shall wear the appropriate foot protection while on-Site. The SSO will monitor site work surfaces for potential trip and fall hazards. Overhead hazards consist of potential contact with falling objects, rigging equipment, or other items in use at the Site. Hard hats are required at all times when at the Site.

6.6 Noise

Previous surveys indicate that heavy equipment such as drilling equipment may produce continuous and impact noise at or above the action level of 85 dBA. All Site personnel within 25 feet of operating equipment, or near an operation that creates noise levels high enough to impair conversation, shall wear hearing protective devices (either muffs or plugs). Personnel will wash their hands with soap and water prior to inserting earplugs to avoid initiating ear infections.

7 PERSONAL PROTECTIVE EQUIPMENT (PPE)

The level of employee protection for the work to be completed during site activities was determined by researching site conditions, reviewing planned activities, and identifying site-specific physical and chemical hazards.

7.1 Selection of Personal Protective Equipment

It is important that specified PPE projects against known and suspected Site hazards. Protective equipment is selected based on the types, concentrations, and routes of personal exposure that may be encountered. In situations where the types of materials and possibilities of contact are unknown or the hazards are not clearly identifiable, a more subjective determination must be made about the PPE required, and greater emphasis is placed on experience and sound safety practices. As discussed above, PPE for Site workers will be based on Site history and on the activities to be performed.

The initial level of PPE for all site work will be modified Level D, which consists of the following:

- Chemical protective clothing (such as Tyvek)
- Steel-toed boots
- Safety glasses
- Nitrile inner and outer gloves
- Hard hats

- Safety reflective vests
- Ear plugs (when heavy equipment is operating)
- Disposable boot covers

PPE requirements are subject to change as Site information is updated or changes. Work will stop until the HASP is updated if the following Site conditions change and warrant upgrade to Level C (including: air purifying respirator (NIOSH approved), hooded chemical-resistant clothing, steel-toed work boots with chemical-resistant boot covers, and hard hat, face shield and chemical resistant gloves) or higher PPE.

- Change in weather conditions
- Encountering of contaminants other than those previously identified
- Change in ambient levels of contaminants
- Change in work scope that affects the degree of contact with contaminants

8 ILLUMINATION

Nighttime work activities are not anticipated; however, if nighttime work becomes necessary, illumination at the Site will be supplemented in order to ensure safe working conditions. Supplemental lighting will be provided by mobile generator-powered units.

9 STANDARD OPERATING PROCEDURES

The standards regarding Safety Rules and Personal Hygiene and Use and Decontamination of PPE are detailed in Appendices C and D, respectively.

9.1 Daily Safety Meetings

The SSO will conduct a daily safety meeting to discuss any changes in safety status, safety violations and administrative actions, work assignments, or modifications of procedures with all on-Site field personnel. This safety meeting will be scheduled as the first activity of each day. An alternate person may be designated to conduct the briefing at the discretion of the SSO. All personnel present will sign the Daily Attendance sheet.

9.2 Daily Debriefing Meetings

At the end of each workday at the Site, the SSO will discuss with the Field Team Leader or the Project Manager, daily progress, technical problems, administrative resolution of disciplinary actions, and monitoring and analytical findings.

In the event that an emergency occurs or other accident that requires immediate attention, and additional safety meeting may be conducted. Non-routine meetings will address any Site changes that have safety implications, which must be immediately addressed before work can continue.

9.3 Administrative Action

Observed violations of safety procedures can result in immediate removal of the violator from the Site. The Project Manager will take administrative action on each violation. In the event of a violation, the nature of the violation, the past record of the violator, and any extenuating circumstances will be reviewed. The SSO and Health and Safety Officer will provide a recommendation to the Project Manager regarding administrative actions such as retraining and reassignment, change in clearance status, or permanent dismissal from the Site.

10 CONFINED SPACES

According to the 8 CCR §5157(b), a confined space is defined as a space that (1) is large enough and so configured that an employee can bodily enter and perform the assigned work; (2) has limited or restricted means of entry or exit (i.e., one exit); and (3) Is not designed for continuous employee occupancy.

It is not anticipated that the Site investigation activities will include confined space entry.

11 NOISE MONITORING

Hearing protection devices (HPDs) (either muffs or plugs) will be available on-Site at all times. Use of HPDs will be required whenever the noise level equals or exceeds 85 dBA; in general, they will be used whenever equipment is operated. Field technicians will be informed on the proper use, maintenance and storage of HPDs. Engineering controls will be utilized as necessary to ensure that noise levels generated by work do not impact residences adjacent to the Site.

12 DECONTAMINATION

Decontamination procedures as provided in Appendix D, based on Level D protection, will consist of the following:

- Removing chemical protective clothing and depositing it in a designated container
- Removing gloves and depositing them in a designated container
- Disposing of gloves and other disposable PPE in a designated container
- Washing hands and face, and preferably showering as soon as practical
- All disposable clothing and plastic sheeting used during activities will be properly disposed of in accordance with all applicable federal, state and local regulations.

13 SANITATION

Restrooms shall be available in an appropriate quantity consistent with OSHA regulations.

14 EMERGENCY SUPPLIES

A fire extinguisher will be available on-Site during field activities. Field technicians will be informed about the proper use of fire extinguishers.

A first-aid kit will also be available on-Site during field activities.

15 EMERGENCY INFORMATION

All hazardous waste Site activities present a risk to on-Site personnel. During routine operations, risk is minimized by establishing good work practices, staying alert, and using proper PPE. Unpredictable events such as physical injury, chemical exposure, or fire may occur and must be anticipated.

If any situation or unplanned occurrence requires outside emergency assistance, immediately call the appropriate contact from the list provided in Section 19.1, below.

15.1 Emergency Contact Information

Emergency response shall be addressed according to the requirements of Title 8 CCR 5192. If it is determined that the emergency could threaten human health or the environment, the incident will be reported to the proper agencies:

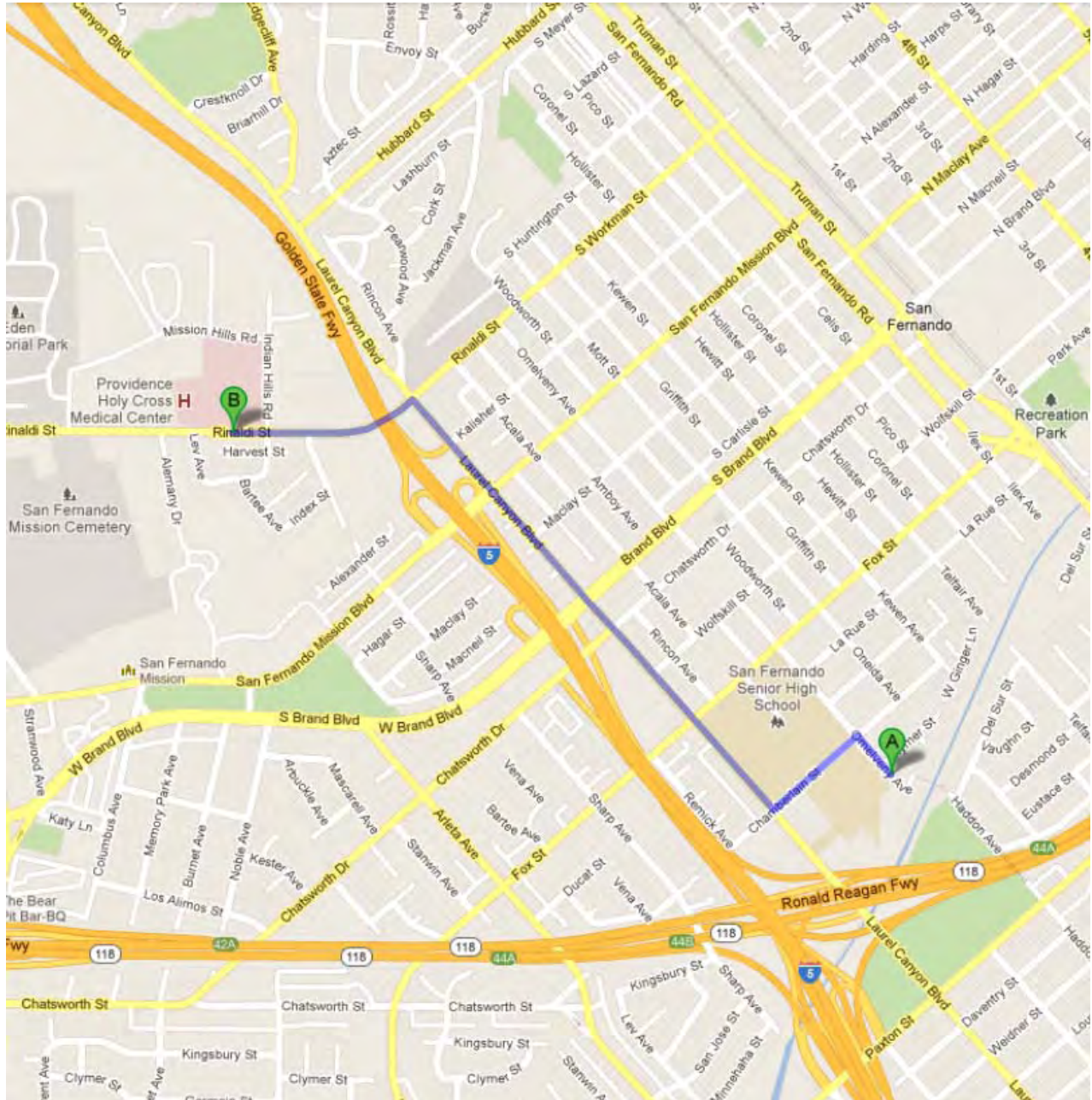
Nearest Hospital Address (see map on following page):	Providence Holy Cross Medical Center 15031 Rinaldi Street Mission Hills, CA 91345
---	---

Phone Number:	((818) 365-8051
---------------	-----------------

Emergency Response Number:	911
----------------------------	-----

Other Ambulance, Fire, Police, or Environmental Emergency Resources:	911
---	-----

Other Entity:	CHEMTREC (Chemical Transportation Emergency Center)
Address:	2501 M Street NW Washington, DC 20037
Phone Number:	800.424.9300

Directions to the Providence Holy Cross Medical Center:

- | | |
|---|--------|
| 1. Head northwest on Omelveny Ave toward Clymer St | 479 ft |
| 2. Take the 1st left onto Chamberlain St | 0.2 mi |
| 3. Take the 1st right onto Laurel Canyon Blvd | 1.0 mi |
| 4. Turn left onto Rinaldi St | 0.3 mi |

Destination will be on the right

15.2 Emergency Procedures

Emergency procedures are to be followed if any of the following situations develop on-Site:

- Any member of the field crew is involved in an accident or experiences any adverse effects or symptoms of exposure while on-Site.
- A condition is discovered that suggests the existence of a situation more hazardous than anticipated.

The following emergency procedures should be followed:

- Site work area entrance and exit routes will be planned and emergency escape routes delineated by the SSO.
- If any member of the field team experiences any effects or symptoms of exposure while on the scene, the entire field crew will immediately halt work and act in accordance with the instructions provided by the SSO.
- For applicable Site activities, wind indicators visible to all on-Site personnel will be provided by the SSO to indicate possible routes for upwind escape.
- Identifying any conditions that would suggest a situation more hazardous than anticipated will result in the suspension of work until the SSO has evaluated the situation and provided the appropriate instructions to the field team.
- If an accident occurs, the Field Team Leader is to complete an Accident Report Form (Appendix J) for submittal to the appropriate company official.
- If a member of the field crew suffers a personal injury, the SSO will call 911 (serious injury) to alert appropriate emergency response agencies or administer on-Site first aid (minor injury) as the situation dictates. An Accident Report Form (Appendix J) will be completed for any such incident.
- If a member of the field crew suffers a chemical exposure, the affected areas should be flushed immediately with copious amounts of clean water. If the situation dictates, the SSO should alert appropriate emergency response agencies, or personally ensure that the exposed individual is transported to the nearest medical treatment facility for prompt treatment. An Accident Report Form (Appendix J) will be completed for any such incident.
- In the event of a site emergency requiring evacuation, all personnel will evacuate to a pre-designated area located a safe distance from any health or safety hazard (typically the site office, unless conditions dictate otherwise) and safely away from the area of influence. The primary and secondary meeting area will be established on a site-specific basis during the morning safety briefing. A head count will be completed by the Site Supervisor at the meeting area and further directions or response discussions coordinated at that point. During any site evacuation, all employees shall be instructed to observe wind direction indicators. During evacuation, employees will be instructed to travel upwind or crosswind of the area of influence. The SSO will provide specific evacuation instructions, via the site emergency radio if necessary, to site personnel regarding the actual site conditions.
- A communication network must be set up to alert site personnel of emergencies and to summon outside emergency assistance. Where voice communication is not available in the alarm system (i.e.,

sirens, horns, etc.) should be set up to alert employees of emergencies. Radio communication may also be used to communicate with personnel in the exclusion zone. Where phone service is not readily available, radios or portable phones should be used to communicate with outside agencies. Site personnel should be trained to use the site emergency communication network. Emergency phone numbers shall be posted at the phone or radio used for outside communication. The SSO is responsible for establishing the communication network prior to the beginning of work, and for explaining it to all site personnel during the site safety meeting. The following hand signals will be used where voice communications are not available in case of an emergency:

Gesture	Meaning
Hand clutching throat	Out of air/can't breath
Hands on top of head	Need assistance
Thumbs up	OK/I'm all right/I understand
Thumbs down	No/negative
Arms waving upright	Send back support
Grip partner's wrists	Exit area immediately

16 AUTHORIZED CHANGES TO THE HEALTH AND SAFETY PLAN

Changes to the HASP are to be documented by completing a Modification of Site Health and Safety Plan form. This completed form must be signed by the SSO, the Health and Safety Manager, and the Project Manager. A copy of each completed form is to be included with each copy of the HASP and made a part of the project files.

17 HASP ACKNOWLEDGEMENT

All Alta Environmental employees and subcontractors at the Site must review this HASP with the SSO and sign the acknowledgement forms in Appendix K.

18 REFERENCES

1. Alta Environmental (Alta), 2012, *Proposal for Step-out Soil Sampling Investigation and Remediation Workplan Development Services, San Fernando High School Teen Health Center*, Alta Environmental Project No. LADPW; June 29, 2012.
2. U.S. Centers for Disease Control, NIOSH Pocket Guide to Chemical Hazards, Washington, DC, 2006.

Appendix A

Tables

Table 1: Hazard Monitoring
Contaminants of Concern

Contaminants of Concern	Routes of Exposure	IDLH	PEL (TWA)	STEL (TWA)	% LEL	Odor Threshold	Odor Description
Arsenic	I, C	5 mg/m ³	0.3 mg/m ³	NA	NA	NA	NA
Lead	I, C	100 mg/m ³	0.05 mg/m ³	NA	NA	NA	NA
OCPs (dieldrin)	I, A, C	50 mg/m ³	0.25 mg/m ³	NA	NA	NA	NA

TWA = Time-weighted average (concentration should not be exceeded during an 8-hour workday during a 40-hour work-week)

STEL = Short-term exposure limit (15 -minute TWA exposure that should not be exceeded at any time during a workday)

IDLH = Immediately dangerous to life or health concentration

NA = Not Applicable

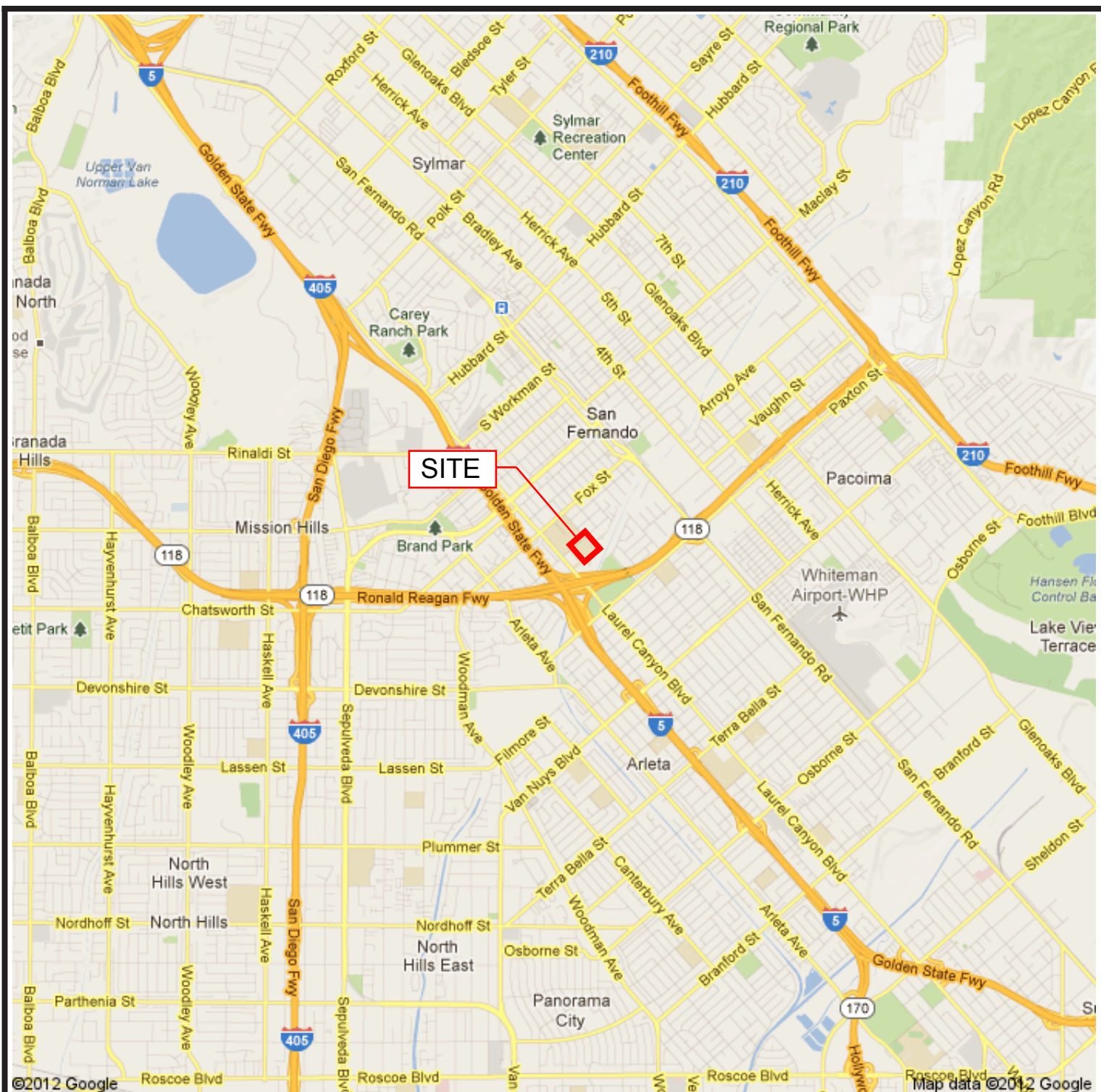
I = Inhalation/ingestion

A = Absorption

C = Contact

Appendix B

Figures



— Approximate Outline of Site

FIGURE 1: SITE LOCATION MAP

SITE: Proposed SFHS Teen Health Center
11051 O'Melveny Ave, Los Angeles, CA

DRAWN: RS

APPROV.: JB

SCALE: Not to Scale

DATE: 11/12



CLIENT: Los Angeles County Department of Public Works

SOURCE: Google Maps 2012



ALTA
ENVIRONMENTAL

3777 Long Beach Blvd., Annex
Long Beach, CA 90807
Phone: (562) 495-5777





 Approximate Site Boundary

FIGURE 2: SITE LAYOUT MAP

SITE: Proposed SFHS Teen Health Center
 11051 O'Melveny Ave, Los Angeles, CA

DRAWN: RS

APPROV.: JB

SCALE: Not to Scale

DATE: 11/12



CLIENT: Los Angeles County Department of
 Public Works

SOURCE: Google Earth Pro. 2010



ALTA
 ENVIRONMENTAL

3777 Long Beach Blvd., Annex
 Long Beach, CA 90807
 Phone: (562) 495-5777

Appendix C

Safety Rules and Personal Hygiene

Appendix C: Safety Rules and Personal Hygiene

1. Remove all facial hair that interferes with a satisfactory fit of respiratory protective equipment.
2. Do not wear contact lenses while wearing full-face respirators.
3. Do not take prescribed drugs unless specifically approved by a physician. Notify the SSO that prescription medication is being taken.
4. In the work zone, do not eat, drink, smoke, chew gum or tobacco, or engage in any other practice that increases the probability of hand-to-mouth transfer or ingestion of material.
5. Wash hands and face thoroughly after leaving the work area and before eating, drinking, or any other activities.
6. Thoroughly wash entire body as soon as possible after removing Level C protective garments.
7. Whenever possible, avoid contact with contaminated or suspected contaminated surfaces.

Appendix D

Personal Protective Equipment Use and Decontamination

Appendix D: Field Standard Operating Procedures for Use and Decontamination of Personal Protective Equipment

1. Park vehicles outside the site boundaries.
2. During the pre-work safety meeting, the SSO will provide the following information:
 - A. a description of the Site and known problem areas
 - B. the level of protection required
 - C. emergency medical information
 - D. the locations of the first aid kit and fire extinguisher
3. Use the nearest lavatory.
4. Lay out and check safety gear.
5. Check and don Level D PPE.
6. For work in Level C PPE, put on safety gear in the following order:
 - A. Coveralls
 - B. Hearing Protection (if required)
 - C. Gloves (inner and outer)
 - D. Steel-toed work boots
 - E. Connect suit and boots with tape
 - F. Outer booties, if used
 - G. Air purifying respirators (APRs), if required
 - H. Eye protection (if using a ½ Face APR)
 - I. Hard hat
7. For work in Level C PPE, put on APRs as follows:
 - A. Inspect.
 - (1) Inspect before each use to ensure that they have been cleaned adequately.
 - (2) Check material conditions for signs of pliability, deterioration, or distortion.
 - (3) Examine cartridges and ensure that they are the correct type for the intended use, that the expiration date has not passed, and that they have not been opened or used previously.
 - (4) Check face shields for cracks or fogginess.

- B. Loosen all harness strap adjustments.
 - C. Place chin in chin cup and draw back evenly on strap adjustments - the two bottom straps first, then the two top straps, and the center top strap last.
 - D. Check that the respirator is centered evenly on the face and that the straps are not uncomfortably tight.
 - E. Check for leaks or proper facial seals.
 - (1) To conduct a negative-pressure test, close the inlet part with the palm of the hand so it does not pass air, and gently inhale for about 10 seconds. Any inward rush of air indicates a poor fit. Note that a leaking facepiece may be drawn tightly to the face to form a good seal, giving a false indication of adequate fit.
 - (2) To conduct a positive-pressure test, gently exhale while covering the exhalation valve to ensure that a positive pressure can be built up. Failure to build a positive pressure indicates a poor fit.
8. Put on the rest of the gear in the following order:
- A. Raise hood
 - B. Hard hat, if necessary
 - C. Surgical gloves
 - D. Outer gloves
 - E. Connect gloves and suit with tape
9. Select a buddy to act as a safety backup.
10. Check your buddy's equipment and have your buddy check yours for rips, tears, or malfunctions. Pay special attention to respirators, making sure that seals are good and that cartridges are securely in place.
11. If any equipment or gear gets damaged or if your suit tears badly, GO BACK.
12. If you experience physical discomfort, breathing difficulties, light-headedness, dizziness, or other abnormalities, GO BACK.
13. When you return, have your buddy check for external accumulation of contamination and remove it. Also check gear for damage.
14. Decontamination will be performed in steps as follows (as appropriate for the PPE being utilized):
- Step 1 – Segregated Equipment Drop:** Deposit equipment used on-Site (tools, sampling devices and containers, monitoring instruments, clipboards, etc.) in different containers with plastic liners. Each may be contaminated to a different degree. Segregation at the drop reduces the probability of cross-contamination. This equipment may be reused if properly decontaminated.

Equipment: various sizes of containers/plastic drop cloths

Step 2 – Boot Cover and Outer Glove Wash and Rinse: (Optional – will be used at the Site Safety Officer's discretion.)

Equipment: spray bottle/container with nozzle/ two wash basins or tubs/scrub brush/water/Liqui-nox non-phosphate soap solution (1%)

Step 3 – Tape Removal: Remove tape around boots and gloves, and deposit in container with plastic liner. Remove boot covers, then outer gloves, and place them in the container.

Equipment: container (30–50 gallons)/ plastic liners/ folding chairs

Step 4 – Safety Boot Wash and Rinse: (Optional - will be used at discretion of field team members.)

Equipment: two wash basins or tubs/scrub brush/water/ Liqui-nox solution (1%)

Step 5 – Protective Coveralls Removal: With the assistance of a helper, remove protective coveralls. Deposit in container with plastic liner.

Equipment: container (30–50 gallons)/folding chairs/plastic liners

Step 6 – Respirator Removal: Remove facepiece. Avoid touching face with gloves. If work is completed for the day, discard cartridges in lined container, and wash and rinse respirator.

Equipment: container (30–50 gallons)/ plastic liners

Step 7 – Inner Glove Removal: Remove inner gloves and deposit in container with plastic liner.

Equipment: container (20–30 gallons)/ plastic liners

15. Respirators will be cleaned daily by hand washing with MSA cleaner-sanitizer solution followed by a thorough rinse and air drying. NEVER ALLOW A RESPIRATOR TO DRY WITH THE STRAPS PLACED FORWARD ACROSS THE FACESHIELD BECAUSE THIS MAY CAUSE CHANGES IN THE FACE-TO-RESPIRATOR SEAL SURFACE. The specific procedures to be employed are as follows:
 - A. Remove all cartridges (canisters) and filters plus gaskets and seals not permanently affixed to their seats.
 - B. Loosen harness adjustment straps.
 - C. Remove exhalation valve cover.

- D. Remove inhalation and exhalation valves.
 - E. Remove protective face-shield cover.
 - F. Wash facepiece in MSA cleaner/sanitizer powder mixed with warm water, preferably at a temperature of 120 F. Wash components separately from facepiece. Heavy soil may be removed from the facepiece surface using a medium-soft hand brush.
 - G. Remove all parts from the wash solution, and rinse twice in clean, warm water.
 - H. Air-dry all parts in a designated clean area.
 - I. Pat facepieces, valves, and seats to remove any remaining soap residue, water, or other foreign material with a clean, damp, lint-free cloth.
 - J. Reassemble respirator.
 - K. Place respirator in a plastic bag and the respirator box or otherwise store the respirator to prevent exposure to dust, moisture, sunlight, damaging chemicals, extreme temperatures, and impact.
16. Investigation-derived waste material will be handled as follows:
- A. Used PPE and disposable equipment will be double bagged and placed in a municipal refuse dumpster on Site. These wastes are not considered hazardous and can be sent to a municipal landfill. Any PPE and disposable equipment that is to be disposed of which can still be reused will be rendered inoperable before disposal in the refuse dumpster.
 - B. Wash and rinse waters from personal and equipment decontamination will be poured onto the ground or into a storm drain.
 - C. Soil cuttings generated during the subsurface sampling will be placed back into the soil borings from which the samples were obtained. Any remaining soil cuttings will be spread around the sampling location.

Appendix E

Heat Stress and Heat Stress Monitoring

Appendix E: Heat Stress and Heat Stress Monitoring

Heat is one of the most common (and potentially serious) illnesses at hazardous waste sites where PPE is worn; therefore, regular monitoring and other preventive precautions are vital. Shelter from the sun will be provided during rest periods. Below is a list of the signs and symptoms of heat stress. Initial work schedules will be approximately 90 minutes of work followed by 15 minutes of rest. Work intervals will be adjusted to shorter periods based on the assessment of the SSO. Monitoring for heat stress will be conducted by visual observation by the individual team members.

Signs and Symptoms of Heat Stress

- **Heat rash** may result from continuous exposure to heat or humid air.
- **Heat cramps** are caused by heavy sweating with inadequate electrolyte replacement. Signs and symptoms include:
 - muscle spasms
 - pain in the hands, feet, and abdomen
- **Heat exhaustion** occurs from increased stress on various body organs, including inadequate blood circulation caused by cardiovascular insufficiency or dehydration. Signs and symptoms include:
 - pale, cool, moist skin
 - heavy sweating
 - dizziness
 - nausea
 - fainting
- **Heat stroke** is the most serious form of heat stress. Temperature regulation fails, and the body temperature rises to critical levels. Immediate action must be taken to cool the body before serious injury and death occur. Competent medical help must be obtained. Signs and symptoms include:
 - red, hot, usually dry skin
 - lack of or reduced perspiration
 - nausea
 - dizziness and confusion
 - strong, rapid pulse
 - coma

First-aid remedies for heat stress and heat stroke includes removing the worker to a cool place, providing cool water or a commercial sport drink, loosen tight clothing, and call for an ambulance if victim vomits or starts to lose consciousness.

Appendix F

Medical Monitoring Program

Appendix F: Medical Monitoring Program

The workers most likely to be exposed to contaminated materials at the Site are sampling and inspection personnel. These personnel are included in this Medical Monitoring Program.

The purposes of the Medical Monitoring Program are to identify any illness or problem that would put an employee at an unusual risk from exposures; to ensure that each employee can use negative-pressure respirators safely and withstand heat or cold stress; and to establish and maintain a medical data base for employees to monitor any abnormalities that may be related to work exposure and that could increase injury risk for the employee or others in the performance of job functions. The Medical Monitoring Program includes:

- A baseline physical examination;
- A medical determination of fitness of duty, including work restrictions after any job-related injury or illness or non job-related absence lasting more than three working days;
- The review of each site-specific Health and Safety Plan and potential exposure list to determine the need for specific biological and medical monitoring; and
- Annual and exit physical examinations with attention given to specific exposures or symptoms.

Baseline Physical Examination

- A Baseline Physical Examination will be performed on each employee engaged in hazardous waste activities. The purposes of this examination are to identify any illness or problem that would put an employee at unusual risk from certain exposures; to certify the safe use of negative-pressure respirators (OSHA Safety and Health Standard 29 CFR 1910.134); and to develop a database for the assessment of exposure-related events detected through periodic medical monitoring. Variable data, such as age, sex, race, smoking, prior employment, and exposure history, that may have a bearing on the occurrence of subsequent events after employment begins will be gathered.
- The content of the Baseline Physical Examination will include:
- Medical, occupational, and fertility histories;
- A physical examination, stressing neurological, cardiopulmonary, musculoskeletal, and skin systems;
- An electrocardiogram;
- PA and lateral chest x-rays;
- A pulmonary function test (FEV1, FVC, FEV 25-75);
- An audiogram;
- A multi-chemistry blood panel, including kidney and liver function tests, CBC with differential, and urinalysis;

- Tests deemed necessary by symptoms or exposure history;
- A red blood cell cholinesterase; and
- Physical parameters, including blood pressure and visual acuity testing.

Annual Physical Examination

An examination and updated occupational history will be performed on an annual basis during the anniversary month of the baseline physical examination. The Annual Physical Examination serves to identify and prevent illness caused by cumulative exposure to toxic substances.

The Annual Physical Examination will include:

- A personal work history (based on specific project histories);
- A physical examination, stressing neurological, cardiopulmonary, musculoskeletal, and skin systems;
- Pulmonary function test (FEV1, FVC, FEV 25-75);
- A multi-chemistry blood panel, including kidney and liver function test;
- An audiogram;
- Tests deemed necessary by symptoms or exposure history; and
- An optional wellness profile.

Return to Work Examination

Any job-related illness or injury will be followed by a medical examination to determine fitness for duty or possible job restrictions based on the physical findings of the medical examiner. A similar examination will be performed following three missed workdays caused by a non job-related illness or injury requiring medical intervention.

Exit Physical Examination

The content of the Exit Physical Examination will include:

- a personal work history (based on specific project histories);
- medical, exposure, and fertility histories;
- a physical examination, stressing neurological, cardiopulmonary, musculoskeletal, and skin systems;
- a pulmonary function test (FEV1, FVC, FEV 25-75);
- an electrocardiogram;
- PA and lateral chest x-rays;
- an audiogram;

- a multi-chemistry blood panel, including kidney and liver function tests, CBC with differential, and urinalysis;
- tests deemed necessary by symptoms or exposure history;
- a red blood cell cholinesterase; and
- physical parameters, including blood pressure and visual acuity testing.

Appendix G

Properties of Materials and Toxicological Profiles

Appendix G: Properties of Materials and Toxicological Profiles

Lead

The PEL for lead is 0.050 mg/m³. NIOSH has established an REL of 0.100 mg/m³. The IDLH concentration for this substance is 100 mg/m³.

A heavy, ductile, soft, gray solid, lead is also known as lead metal and plumbum. A person can be exposed to lead contamination by inhalation, ingestion, or contact. The target organs for lead include eyes, GI tract, CNS, blood, and gingival tissue.

Symptoms of lead exposure include weakness, lassitude, insomnia; facial pallor; pal eye, anorexia, weight loss, malnutrition; constipation, abdominal pain, colic; anemia; gingival lead line; tremor; ankle or wrist paralysis, encephalopathy; kidney disease; irritated eyes; and hypotension. If eye contact occurs, the eyes should be washed immediately with large amounts of water. For dermal contact, remove any penetrated clothing and immediately flush the contaminated skin with soap and water. If this chemical is inhaled in large quantities, move to fresh air at once. Perform mouth-to-mouth resuscitation if breathing has stopped. Keep the person warm and resting. For any of the above or if the chemical has been swallowed, seek medical attention promptly.

Arsenic

The PEL for inorganic arsenic is 0.01 mg/m³. NIOSH has established an REL of 0.002 mg/m³ (15-minute). The IDLH concentration for this substance is 5 mg/m³.

Arsenic is a naturally occurring element widely distributed in the earth's crust. In the environment, arsenic is combined with oxygen, chlorine, and sulfur to form inorganic arsenic compounds. Arsenic in animals and plants combines with carbon and hydrogen to form organic arsenic compounds. Inorganic arsenic compounds are mainly used to preserve wood. Organic arsenic compounds are used as pesticides.

Breathing high levels of inorganic arsenic can give you a sore throat or irritated lungs. Ingesting high levels of inorganic arsenic can result in death. Lower levels of arsenic can cause nausea and vomiting, decreased production of red and white blood cells, abnormal heart rhythm, damage to blood vessels, and a sensation of "pins and needles" in hands and feet. Skin contact with inorganic arsenic may cause redness and swelling.

OCPs (dieldrin)

The PEL for dieldrin is 0.25 mg/m³ [skin]. NIOSH has established an REL 0.25 mg/m³ (15-minute) [skin]. The IDLH concentration for this substance is 50 mg/m³.

Dieldrin is an insecticide and a by-product of the pesticide Aldrin. Dieldrin was widely used to control insects on cotton, corn and citrus crops. Also, dieldrin was used to control locusts and mosquitoes, as a wood preserve, and for termite control. Usually seen as a white or tan powder, however, dieldrin is no longer produced in the United States due to its harmful effects on humans, fish, and wildlife. Because dieldrin is bioaccumulative, it does not break down easily in our environment and becomes more concentrated as it moves up the food chain to humans and other wildlife. All uses of dieldrin were banned in

the United State in 1985 except for subsurface termite control, dipping of nonfood roots and tops, and moth-proofing in a closed manufacturing process. Dieldrin is still found in our environment from past uses.

The revised IDLH for dieldrin is 50 mg/m^3 based on acute oral toxicity data in humans [Deichmann and Gerarde 1969; Hodge et al. 1967]. [Note: NIOSH recommends as part of its carcinogen policy that the "most protective" respirators be worn for dieldrin at concentrations above 0.25 mg/m^3 .]

Appendix H

Site Safety Officer Responsibilities

Appendix H: Site Safety Officer Responsibilities

An SSO will be designated. The responsibilities of the SSO will include the following:

- briefing personnel on the hazards at the Site, the standard operating procedures to be employed, and emergency procedures;
- conducting on-Site health monitoring;
- coordinating access control and site security, including responsibility for protection of third parties, such as visitors or the surrounding community;
- monitoring work practices and decontamination to ensure that required procedures are being followed;
- being available to document and respond to any concerns or complaints made by on-site personnel;
- documenting unsafe work practices or conditions;
- documenting any accidents or incidents that result in illness or injury to personnel; and
- evaluating and amending the HASP daily to remedy deficiencies and post entry briefings.

Appendix I

Authorized Changes to Health and Safety Plan

Appendix I: Authorized Changes to HASP

Insert the following changes and replace affected pages:

This image shows a blank sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins or other markings on the paper.

Site Safety Officer

Date

Project Manager

Date

Appendix J

Accident Report Form

ACCIDENT REPORT FORM

Site Name _____

Date of Incident _____

Name of Injured Person _____

Reported by _____

Job # _____

Scope of Work _____

Report of Injury to
(Site Health and Safety Officer): _____ Time: _____ Date: _____

DESCRIPTION OF INJURY:

[illegible]

Appendix K

HASP Acknowledgment Sheet

HASP ACKNOWLEDGEMENT SHEET

Position	Name	Signature
Project Manager	Jonathan Barkman	_____
Tel: 310-920-8404		
Site Safety Officer	Kristyn Drake	_____
Tel: 310-920-8404		

The following have read this plan and understand its provisions:

[illegible]

Position	Name	Signature
----------	------	-----------

Name _____ Signature _____

Signature

Project Manager Jonathan Barkman _____

Jonathan Barkman _____

Tel: 310-920-8404

Site Safety Officer Kristyn Drake _____

Kristyn Drake _____

Tel: 310-920-8404

The following have read this plan and understand its provisions:

Company	Name	Signature	Date
---------	------	-----------	------

Name _____ Signature _____ Date _____

Signature **Date**

Date _____

[illegible]

Position	Name	Signature
----------	------	-----------

Name _____ Signature _____

Signature

The following have read this plan and understand its provisions:

Company	Name	Signature	Date
---------	------	-----------	------

Name _____ Signature _____ Date _____

Signature **Date**

Date _____

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Appendix D

Field Notices

Los Angeles Unified School District

Office of Environmental Health and Safety

JOHN E. DEASY, Ph.D.
Superintendent of Schools

ENRIQUE G. BOULL'T
Chief Operating Officer

JOHN STERRITT
Director, Environmental Health and Safety

September 11, 2012

TO: Neighbors and Community Members of the
San Fernando Teen Health Center

FROM: Los Angeles Unified School District
Office of Environmental Health and Safety
and the Los Angeles County Department of Public Works

REGARDING: Environmental Assessment
Proposed San Fernando Teen Health Center, San Fernando, California

The Los Angeles Unified School District (LAUSD) - Office of Environmental Health and Safety (OEHS) and Los Angeles County Department of Public Works (LADPW), would like to provide you with advance notice of an environmental investigation that will be conducted for the LADPW's proposed San Fernando Teen Health Center located at 11133 O'Melveny Avenue, San Fernando, California (the "Site"). The proposed San Fernando Teen Health Center is located on a portion of LAUSD property occupied by San Fernando Senior High School campus. The Site (proposed redevelopment area) consists of approximately 0.27 acres of the San Fernando Senior High School Campus bound by Chamberlain Street to the northwest, O'Melveny Avenue to the northeast, and school structures to the southwest and southeast.

A licensed contractor, working on behalf of the LADPW and LAUSD, will perform the environmental investigation under the independent oversight of the LAUSD-OEHS. The environmental investigation will consist of the sampling of soil and soil vapor in the location of the proposed new redevelopment area for potential lead-based paint, organochlorine pesticides (OCPs), and methane and hydrogen sulfide in soil vapor. Recently enacted state laws now require that all proposed new constructions at school sites undergo a complete environmental review. If necessary, a cleanup will be performed prior to construction activities to protect students, faculty, and staff of the school.

Fieldwork is scheduled to begin on or about September 17, 2012, and is expected be completed in one day. All fieldwork is scheduled to be conducted when students are away from school, between 7:00 am to 6:00 pm. It is not expected that any street closures will be necessary during the investigation.

Results of the investigation will be submitted to LAUSD-OEHS in a report for review. The report will include an assessment of whether lead-based paint, OCPs, methane or sulfide vapors are present at concentrations that would require further assessment or a response action before the property is cleared for construction activities. When the OEHS's review is complete, OEHS will issue a determination with regard to the assessment.

If you have any questions concerning the upcoming environmental investigation or other related activities in the vicinity of the proposed San Fernando Teen Health Center, please contact Mr. Anthony Lizzi, LAUSD Office of Environmental Health and Safety Site Assessment Project Manager, at (213) 241-1517 (email at anthony.lizzi@lausd.net), or Mr. William Honda, Los Angeles County Department of Public Works Project Manager, at (626) 300-2360 (email at WHONDA@dpw.lacounty.gov).

Si desea información en Español, por favor comuníquese con el: Sr. Joseph Piña al (213) 241-6516

Los Angeles Unified School District

Office of Environmental Health and Safety

JOHN E. DEASY, Ph.D.
Superintendent of Schools

ENRIQUE G. BOULL'T
Chief Operating Officer

JOHN STERRITT
Director, Environmental Health and Safety

11 de septiembre de 2012

PARA: Vecinos y miembros de la comunidad de la Centro de salud de adolescentes de San Fernando

DE: Distrito Escolar Unificado de Los Ángeles Oficina de salud ambiental y seguridad y el Departamento de obras públicas del Condado de Los Ángeles

En relación con: Evaluación ambiental
Proyecto San Fernando Teen Health Center, San Fernando, California

Distrito Escolar Unificado de Los Ángeles (LAUSD) - Oficina de salud ambiental y seguridad (OEHS) y Departamento de obras públicas del Condado de Los Angeles (LADPW), le gustaría dar aviso anticipado de una investigación ambiental que se llevará a cabo para la LADPW del propuesto Centro de salud de adolescentes de San Fernando en 11133 O'Melveny Avenue, San Fernando, California (el "sitio"). El centro de salud de adolescente San Fernando propuesto se encuentra en una porción de propiedad LAUSD ocupada por campus San Fernando Senior High School. El sitio (área de Reurbanización propuesto) de aproximadamente 0.27 acres del Campus San Fernando Senior High School por la calle de Chamberlain al noroeste, O'Melveny Avenue al noreste y las estructuras de la escuela al suroeste y sureste.

Un contratista licenciado, trabajando en nombre del LADPW y LAUSD, llevará a cabo la investigación ambiental bajo la supervisión independiente de LAUSD-OEHS. La investigación ambiental consistirá de tomar muestras de la tierra y de vapor del suelo en la locación propuesta de la nueva área de Reurbanización para la potencial pintura de plomo, pesticidas organoclorados (OCPs) y metano y sulfuro de hidrógeno en el vapor proveniente del suelo. Recientemente promulgado leyes requieren que todas las construcciones nuevas propuestas en las escuelas se sometan a una revisión completa de ambiental. Si es necesario, se realizará una limpieza antes de iniciar actividades de construcción para proteger a los estudiantes, Facultad y personal de la escuela.

Trabajo de campo está programado para comenzar tal vez el 17 de septiembre de 2012 y se espera completar en un día. Todos los trabajos de campo está programada para llevarse a cabo cuando los estudiantes están fuera de la escuela, entre 7:00 am asta 6:00 pm. No se espera que las calles se cierren durante la investigación.

Resultados de la investigación se presentará a LAUSD-OEHS en un reporte de revisión. El reporte incluirá una evaluación de la investigación de los vapores de pintura, OCPs, metano o sulfuro de plomo si están presentes en concentraciones que requerirían otra evaluación o una acción de respuesta antes de que la propiedad este lista para las actividades de construcción. Cuando este finalizada la revisión de la OEHS, OEHS emitirá una determinación con respecto a la evaluación.

Si tiene alguna pregunta de esta investigación ambiental o otras actividades relacionadas en las proximidades del centro de salud de adolescentes de San Fernando propuesto, póngase en contacto con el Sr. Anthony Lizzi, LAUSD Oficina de salud ambiental y seguridad sitio evaluación al (213) 241-1517 (correo electrónico a anthony.lizzi@lausd.net) o el Sr. William Honda, Condado de Los Angeles Departamento de obras públicas al (626) 300-2360 (correo electrónico a WHONDA@dpw.lacounty.gov).

If you would like information in English, please contact Mr. Joseph Piña at (213) 241-6516

Appendix E

Soil Boring Logs

Boring/Well Construction Log

Boring/Well Construction Log



Boring/Well Construction Log

PROJECT NUMBER LAPW-12-11897 **BORING/WELL NUMBER** B6-C/SV-4
PROJECT NAME San Fernando Teen Health Center **DATE DRILLED** 09/17/12
LOCATION 11133 O'Melveny Avenue, San Fernando, California **DRILLING CONTRACTOR** Strongarm Environmental Field Services
DRILLING METHOD Geoprobe
SAMPLING METHOD Direct-push
BORING DIAMETER 2.25"
BORING DEPTH (FT BGS) 20 **WELL DEPTH (FT BGS)** NA
LOGGED BY R. Shigeno **CHECKED BY** S. Ridenour
CASING DIAMETER/TYPE None
SLOT SIZE NA **SCREEN INTERVAL** NA
GRAVEL PACK TYPE NA
DEPTH TO WATER DURING DRILLING (FT BGS) NA
DEPTH TO WATER AFTER INSTALLATION (FT BGS) NA
REMARKS _____

TIME	BLOW COUNT	SAMPLE ID.	SAMPLE INTERVAL	DEPTH (BGS)	U.S.C.S.	GRAPHIC LOG	WELL DIAGRAM	PID (ppm)	LITHOLOGIC DESCRIPTION
1020 1021 1022 1023 1024 1025		B6-C-0.5 B6-C-1.0 B6-C-1.5 B6-C-2.0 B6-C-2.5 B6-C-3.0			ML				<p>Sandy Silt, 65% silt, 25% sand, 10% gravel, brown, dry, non-plastic, fine to coarse grained sand, small gravel, no odor</p> <hr/> <p>Silty Sand with Gravel, 60% sand, 25% silt, 15% gravel, fine to coarse grained sand, light grey, medium dense, dry, small gravel</p> <hr/> <p>Same as above with large gravel</p> <hr/> <p>Boring Terminated at 20' bgs.</p>

WELL-MODIFIED-SEAL LAPW-12-12600.GPJ WELL.GDT 11/2/12



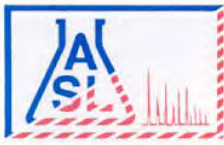
Boring/Well Construction Log

PROJECT NUMBER LAPW-12-11897
 PROJECT NAME San Fernando Teen Health Center
 LOCATION 11133 O'Melveny Avenue, San Fernando, California
 DRILLING METHOD Geoprobe
 SAMPLING METHOD Direct-push
 BORING DIAMETER 2.25"
 BORING DEPTH (FT BGS) 20 WELL DEPTH (FT BGS) NA
 LOGGED BY R. Shigeno CHECKED BY S. Ridenour
 CASING DIAMETER/TYPE None
 SLOT SIZE NA SCREEN INTERVAL NA
 GRAVEL PACK TYPE NA
 DEPTH TO WATER DURING DRILLING (FT BGS) NA
 DEPTH TO WATER AFTER INSTALLATION (FT BGS) NA
 REMARKS _____

TIME	BLOW COUNT	SAMPLE ID.	SAMPLE INTERVAL	DEPTH (BGS)	U.S.C.S.	GRAPHIC LOG	WELL DIAGRAM	PID (ppm)	LITHOLOGIC DESCRIPTION
740		SV1-5'		5	ML		1/4" Polyethylene Tubing (typical) Dry granular bentonite (typical)		Sandy Silt with Gravel , 60% silt, 25% sand, 15% gravel, brown, dry, non-plastic, fine to medium grained sand, small gravel
745		SV1-10'		10	SM		Sand pack (#3 Sand - typical) Seal (hydrated bentonite chips - typical)		Silty Sand with Gravel , 60% sand, 20% silt, 20% gravel, fine to coarse grained sand, light grey, medium dense, dry, small gravel
750		SV1-15'		15	SM				Same as above with small to large gravel
800		SV1-20'		20			1/4" Soil-gas implant (typical)		Boring Terminated at 20' bgs.
				25					
				30					

Appendix F

Laboratory Analytical Reports and Chain-of-Custody Documentation



AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

Ordered By

ALTA Environmental
3777 Long Beach Blvd. Annex B1
Long Beach, CA 90807-

Number of Pages 16

Date Received 09/17/2012

Date Reported 09/25/2012

Telephone (562)495-5777
Attn Jon Barkman

Job Number	Ordered	Client
54768	09/17/2012	ALTAEN

Project ID: LAPW-12-12600
Project Name: SF Teen Health
Site: 11133 O'Melveny Ave.
San Fernando, CA

Enclosed are the results of analyses on 31 samples analyzed as specified on attached chain of custody.

Wendy Lu
Organics Supervisor

American Scientific Laboratories, LLC (ASL) accepts sample materials from clients for analysis with the assumption that all of the information provided to ASL verbally or in writing by our clients (and/or their agents), regarding samples being submitted to ASL, is complete and accurate. ASL accepts all samples subject to the following conditions:

- 1) ASL is not responsible for verifying any client-provided information regarding any samples submitted to the laboratory.
- 2) ASL is not responsible for any consequences resulting from any inaccuracies, omissions, or misrepresentations contained in client-provided information regarding samples submitted to the laboratory.



AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

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COC# N° 58795 GLOBAL ID

E REPORT: ☐ PDF ☐ EDE ☐ EDD

ASL JOB# 54768

Company: Alta Environmental		Project Name: SF Teen Health		Report To:		ANALYSIS REQUESTED	
Address: 3777 Long Beach Blvd Long Beach, CA 90807		Site Address: 11133 O'Melveny Ave San Fernando, CA		Address:			
Telephone: 562-495-5777		Project ID: LAPW-12-12600		Invoice To:			
Fax: 562-495-5877		Project Manager: Jon Barkman		Address:			
Special Instruction:		P.O.#:		Matrix		Preservation	
E-mail: jonathan.barkman@altalab.com		Container(s)		Matrix		Preservation	
LAB USE ONLY		SAMPLE DESCRIPTION		Matrix		Preservation	
LAB ID		Sample ID		Date		Time	
1 288363		Composite A		9/17/12		1000	
2 288364		B6-A-0.5		1001		1002	
3 288365		-1.0		1003		1004	
4 288366		Composite B		1005		1010	
5 288519		B6-B-0.5		1011		1012	
6 288520		-0.5 Dup		1013		1014	
7 288521		-1.0		1015		1016	
8 288522		-1.5		1017		1018	
9 288523		-2.0		1019		1020	
10 288524		-2.5		1021		1022	
11 288525		-3.0		1023		1024	
12 288526		Composite C		1025		1026	
13 288527		B6-C-0.5		1027		1028	
14 288528		-0.5 Dup		1029		1030	
15 288529		-1.0		1031		1032	
16 288530		-1.5		1033		1034	
17 288531		-2.0		1035		1036	
18 288532		-2.5		1037		1038	
19 288533		-3.0		1039		1040	
20 288534		Composite D		1041		1042	
21 288535		B6-D-0.5		1043		1044	
22 288536		-0.5 Dup		1045		1046	
23 288537		-1.0		1047		1048	
24 288538		-1.5		1049		1050	
25 288539		-2.0		1051		1052	
26 288540		-2.5		1053		1054	
27 288541		-3.0		1055		1056	
28 288542		Composite E		1057		1058	
29 288543		B6-E-0.5		1059		1060	
30 288544		-0.5 Dup		1061		1062	
31 288545		-1.0		1063		1064	
32 288546		-1.5		1065		1066	
33 288547		-2.0		1067		1068	
34 288548		-2.5		1069		1070	
35 288549		-3.0		1071		1072	
36 288550		Composite F		1073		1074	
37 288551		B6-F-0.5		1075		1076	
38 288552		-0.5 Dup		1077		1078	
39 288553		-1.0		1079		1080	
40 288554		-1.5		1081		1082	
41 288555		-2.0		1083		1084	
42 288556		-2.5		1085		1086	
43 288557		-3.0		1087		1088	
44 288558		Composite G		1089		1090	
45 288559		B6-G-0.5		1091		1092	
46 288560		-0.5 Dup		1093		1094	
47 288561		-1.0		1095		1096	
48 288562		-1.5		1097		1098	
49 288563		-2.0		1099		1100	
50 288564		-2.5		1101		1102	
51 288565		-3.0		1103		1104	
52 288566		Composite H		1105		1106	
53 288567		B6-H-0.5		1107		1108	
54 288568		-0.5 Dup		1109		1110	
55 288569		-1.0		1111		1112	
56 288570		-1.5		1113		1114	
57 288571		-2.0		1115		1116	
58 288572		-2.5		1117		1118	
59 288573		-3.0		1119		1120	
60 288574		Composite I		1121		1122	
61 288575		B6-I-0.5		1123		1124	
62 288576		-0.5 Dup		1125		1126	
63 288577		-1.0		1127		1128	
64 288578		-1.5		1129		1130	
65 288579		-2.0		1131		1132	
66 288580		-2.5		1133		1134	
67 288581		-3.0		1135		1136	
68 288582		Composite J		1137		1138	
69 288583		B6-J-0.5		1139		1140	
70 288584		-0.5 Dup		1141		1142	
71 288585		-1.0		1143		1144	
72 288586		-1.5		1145		1146	
73 288587		-2.0		1147		1148	
74 288588		-2.5		1149		1150	
75 288589		-3.0		1151		1152	
76 288590		Composite K		1153		1154	
77 288591		B6-K-0.5		1155		1156	
78 288592		-0.5 Dup		1157		1158	
79 288593		-1.0		1159		1160	
80 288594		-1.5		1161		1162	
81 288595		-2.0		1163		1164	
82 288596		-2.5		1165		1166	
83 288597		-3.0		1167		1168	
84 288598		Composite L		1169		1170	
85 288599		B6-L-0.5		1171		1172	
86 288600		-0.5 Dup		1173		1174	
87 288601		-1.0		1175		1176	
88 288602		-1.5		1177		1178	
89 288603		-2.0		1179		1180	
90 288604		-2.5		1181		1182	
91 288605		-3.0		1183		1184	
92 288606		Composite M		1185		1186	
93 288607		B6-M-0.5		1187		1188	
94 288608		-0.5 Dup		1189		1190	
95 288609		-1.0		1191		1192	
96 288610		-1.5		1193		1194	
97 288611		-2.0		1195		1196	
98 288612		-2.5		1197		1198	
99 288613		-3.0		1199		1200	
100 288614		Composite N		1201		1202	
101 288615		B6-N-0.5		1203		1204	
102 288616		-0.5 Dup		1205		1206	
103 288617		-1.0		1207		1208	
104 288618		-1.5		1209		1210	
105 288619		-2.0		1211		1212	
106 288620		-2.5		1213		1214	
107 288621		-3.0		1215		1216	
108 288622		Composite O		1217		1218	
109 288623		B6-O-0.5		1219		1220	
110 288624		-0.5 Dup		1221		1222	
111 288625		-1.0		1223		1224	
112 288626		-1.5		1225		1226	
113 288627		-2.0		1227		1228	
114 288628		-2.5		1229		1230	
115 288629		-3.0		1231		1232	
116 288630		Composite P		1233		1234	
117 288631		B6-P-0.5		1235		1236	
118 288632		-0.5 Dup		1237		1238	
119 288633		-1.0		1239		1240	
120 288634		-1.5		1241		1242	
121 288635		-2.0		1243		1244	
122 288636		-2.5		1245		1246	
123 288637		-3.0		1247		1248	
124 288638		Composite Q		1249		1250	
125 288639		B6-Q-0.5		1251		1252	
126 288640		-0.5 Dup		1253		1254	
127 288641		-1.0		1255		1256	
128 288642		-1.5		1257		1258	
129 288643		-2.0		1259		1260	
130 288644		-2.5		1261		1262	
131 288645		-3.0		1263		1264	
132 288646		Composite R		1265		1266	
133 288647		B6-R-0.5		1267		1268	
134 288648		-0.5 Dup		1269		1270	
135 288649		-1.0		1271		1272	
136 288650		-1.5		1273		1274	
137 288651		-2.0		1275		1276	
138 288652		-2.5		1277		1278	
139 288653		-3.0		1279		1280	
140 288654		Composite S		1281		1282	
141 288655		B6-S-0.5		1283		1284	
142 288656		-0.5 Dup		1285		1286	
143 288657		-1.0		1287		1288	
144 288658		-1.5		1289		1290	
145 288659		-2.0		1291		1292	
146 288660		-2.5		1293		1294	
147 288661		-3.0		1295		1296	
148 288662		Composite T		1297		1298	
149 288663		B6-T-0.5		1299		1300	
150 288664		-0.5 Dup		1301		1302	
151 288665		-1.0		1303		1304	
152 288666		-1.5		1305		1306	
153 288667		-2.0		1307		1308	
154 288668		-2.5		1309		1310	
155 288669		-3.0		1311		1312	
156 288670		Composite U		1313		1314	
157 288671		B6-U-0.5		1315		1316	
158 288672		-0.5 Dup		1317		1318	
159 288673		-1.0		1319		1320	
160 288674		-1.5		1321		1322	
161 288675		-2.0		1323		1324	
162 288676		-2.5		1325		1326	
163 288677		-3.0		1327		1328	
164 288678		Composite V		1329		1330	
165 288679		B6-V-0.5		1331		1332	
166 288680		-0.5 Dup		1333		1334	
167 288681		-1.0		1335		1336	
168 288682		-1.5		1337		1338	
169 288683		-2.0		1339		1340	
170 288684		-2.5		1341		1342	
171 288685		-3.0		1343		1344	
172 288686		Composite W		1345		1346	
173 288687		B6-W-0.5		1347		1348	
174 288688		-0.5 Dup		1349		1350	
175 288689		-1.0		1351		1352	
176 288690		-1.5		1353		1354	
177 288691		-2.0		1355		1356	
178 288692		-2.5		1357		1358	
179 288693		-3.0		1359		1360	
180 288694		Composite X		1361		1362	
181 288695		B6-X-0.5		1363		1364	
182 288696		-0.5 Dup		1365		1366	
183 288697		-1.0		1367		1368	
184 288698		-1.5		1369		1370	
185 288699		-2.0		1371		1372	
186 288700		-2.5		1373		1374	
187 288701		-3.0		1375		1376	
188 288702		Composite Y		1377		1378	
189 288703		B6-Y-0.5		1379		1380	
190 288704		-0.5 Dup		1381		1382	
191 288705		-1.0		1383		1384	
192 288706		-1.5		1385		1386	
193 288707		-2.0		1387		1388	
194 288708		-2.5		1389		1390	
195 288709		-3.0		1391		1392	
196 288710		Composite Z		1393		1394	
197 288711		B6-Z-0.5		1395		1396	
198 288712		-0.5 Dup		1397		1398	
199 288713		-1.0		1399		1340	
200 288714		-1.5		1401		1342	
201 288715		-2.0		1403		1344	



AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

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COC# N° 58796 GLOBAL ID 58796 E REPORT: ☐ PDF ☐ EDF ☐ EDD ASL JOB# 54768

Company: Alta Environmental		Report To:		ANALYSIS REQUESTED															
Address:		Project Name: SF Teen Health		Address:		Invoice To:		Address:		P.O.#:		Remarks							
Telephone: 562-491-5777		Site Address: 11133 G'Machony Ave		San Bernardino, CA		Project ID: LAPN-12-10800		Project Manager:		8081A OCP Composite A		8081A OCP Composite B		6010B Arsenic		Archival		6010B Pb	
Special Instruction:		Sample ID		Date		Time		#		Type		Container(s)		Matrix		Preservation			
E-mail:		B6-B-2.0		9/17/12		1014		1		Tube		Sis 1							
5 288367		-2.5		1015		1016		1020		1021		1022		1023		1024		1025	
6 288368		B6-C-0.5		1020		1021		1022		1023		1024		1025		1045			
7 288369		2.5		1024		1025		1045											
8 288370		B7-A-0.5		1045															
Collected By: [Signature]		Date 9/17/12		Time 1300		Relinquished By: [Signature]		Date 9-17-12		Time 145		TAT							
Relinquished By: [Signature]		Date		Time		Received For Laboratory: [Signature]		Date		Time		<input type="checkbox"/> Normal		<input type="checkbox"/> Rush					
Received By: [Signature]		Date		Time		Condition of Sample:													



AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

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COC# N° 58797 GLOBAL ID

E REPORT: ☐ PDF ☐ EDF ☐ EDD ASL JOB# 54768

Company: <u>Delta Environmental</u>		Project Name: <u>SF Neelika</u>		Report To:		ANALYSIS REQUESTED																	
Address:		Site Address: <u>11133 O'Mahony</u>		Invoice To:																			
Telephone: <u>562-495-5777</u>		San Fernando, CA		Address:																			
Fax:		Project ID: <u>LSPW-12-12600</u>		P.O.#:																			
Special Instruction:		Project Manager: <u>Jon Bartleman</u>																					
E-mail:																							
I T E M		SAMPLE DESCRIPTION		Container(s)		Matrix		Preservation		Remarks													
Lab ID		Sample ID		Date		Time		#		Type													
		B7-A-1.0		9/17/12		1046		1		Tube													
		1.5				1047																	
		2.0				1048																	
		2.5				1049																	
		3.0				1050																	
9 288371		B7-B-0.5				1055																	
10 288372		0.5 Pump				1056																	
11 288373		-1.0				1057																	
		-1.5				1058																	
		-2.0				1059																	
Collected By: <u>[Signature]</u>		Date: <u>9/17/12</u>		Time: <u>1341</u>		Relinquished By: <u>[Signature]</u>		Date: <u>9-17-12</u>		Time: <u>1450</u>		TAT <input checked="" type="checkbox"/> Normal <input type="checkbox"/> Rush											
Relinquished By:		Date:		Time:		Received For Laboratory:		Date:		Time:													
Received By:		Date:		Time:		Condition of Sample:																	

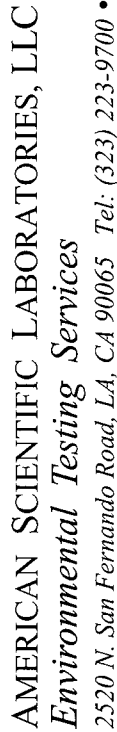


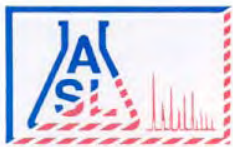
AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

2520 N. San Fernando Road, LA, CA 90065 Tel: (323) 223-9700 • Fax: (323) 223-9500

COC# N° 58798 GLOBAL ID _____ E REPORT: ☐ PDF ☐ EDF ☐ EDD ASL JOB# 54768

C H A I N O F C U S T O D Y R E C O R D									
Company: Alta Environmental									
Project Name: SF Teen Health									
Site Address: 1133 O'Melveny									
Project ID: San Fernando, CA									
Project Manager: J. Barkman									
P.O.#:									
Report To:									
Address:									
Invoice To:									
Address:									
ANALYSIS REQUESTED									
601B PB									
Archival									
Remarks									
LAB USE ONLY	Sample ID	Date	Time	#	Type	Matrix	Preservation		
12 288374	B7B-2.5	9/17/12	1100	1	Tube	Serum			
	-3.0		1101						
13 288375	B7C-0.5		1105						
	-1.0		1106						
	-1.5		1107						
	-2.0		1108						
14 288376	-2.5		1109						
	-3.0		1110						
15 288377	B7A-0.5		1120						
16 288378	-0.5 Dup		1131						
Collected By: [Signature]	Date	9/17/12	Time	1311					
Relinquished By:	Date		Time						
Received By:	Date		Time						
Relinquished By: [Signature]					Received For Laboratory: [Signature]				
Condition of Sample:					Date: 9/17-12 Time: 145				
TAT					Normal <input type="checkbox"/> Rush <input type="checkbox"/>				





AMERICAN SCIENTIFIC LABORATORIES, LLC

Environmental Testing Services

2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

ANALYTICAL RESULTS

Ordered By**Site**

ALTA Environmental
3777 Long Beach Blvd. Annex B1
Long Beach, CA 90807-

11133 O'Melveny Ave.
San Fernando, CA

Telephone: (562)495-5777

Attn: Jon Barkman

Page: 2

Project ID: LAPW-12-12600

Project Name: SF Teen Health

ASL Job Number	Submitted	Client
54768	09/17/2012	ALTAEN

Method: 6010B, Arsenic (ICP)

QC Batch No: 091912-2

Our Lab I.D.		288364	288365	288367	288368	288369
Client Sample I.D.		B6-A-0.5	B6-A-2.5	B6-B-2.5	B6-C-0.5	B6-C-2.5
Date Sampled		09/17/2012	09/17/2012	09/17/2012	09/17/2012	09/17/2012
Date Prepared		09/19/2012	09/19/2012	09/19/2012	09/19/2012	09/19/2012
Preparation Method						
Date Analyzed		09/24/2012	09/24/2012	09/24/2012	09/24/2012	09/24/2012
Matrix		Soil	Soil	Soil	Soil	Soil
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor		1	1	1	1	1
Analytes	PQL	Results	Results	Results	Results	Results
ICP Metals						
Arsenic	0.250	1.59	0.431	ND	6.03	0.718

QUALITY CONTROL REPORT

QC Batch No: 091912-2

Analytes	LCS % REC	LCS/LCSD % Limit							
ICP Metals									
Arsenic	91	80-120							



AMERICAN SCIENTIFIC LABORATORIES, LLC

Environmental Testing Services

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ANALYTICAL RESULTS

Ordered By**Site**

ALTA Environmental
3777 Long Beach Blvd. Annex B1
Long Beach, CA 90807-

11133 O'Melveny Ave.
San Fernando, CA

Telephone: (562)495-5777

Attn: Jon Barkman

Page: 3

Project ID: LAPW-12-12600

Project Name: SF Teen Health

ASL Job Number	Submitted	Client
54768	09/17/2012	ALTAEN

Method: 6010B, Arsenic (ICP)

QC Batch No: 091912-2

Our Lab I.D.		288519	288520			
Client Sample I.D.		B6-B-0.5	B6-B-0.5 Dup			
Date Sampled		09/17/2012	09/17/2012			
Date Prepared		09/19/2012	09/19/2012			
Preparation Method						
Date Analyzed		09/24/2012	09/24/2012			
Matrix		Soil	Soil			
Units		mg/Kg	mg/Kg			
Dilution Factor		1	1			
Analytes	PQL	Results	Results			
ICP Metals						
Arsenic	0.250	2.03	1.91			

QUALITY CONTROL REPORT

QC Batch No: 091912-2

Analytes	LCS % REC	LCS/LCSD % Limit							
ICP Metals									
Arsenic	91	80-120							



AMERICAN SCIENTIFIC LABORATORIES, LLC

Environmental Testing Services

2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

ANALYTICAL RESULTS

Ordered By**Site**

ALTA Environmental
3777 Long Beach Blvd. Annex B1
Long Beach, CA 90807-

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San Fernando, CA

Telephone: (562)495-5777

Attn: Jon Barkman

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Project ID: LAPW-12-12600
Project Name: SF Teen Health

ASL Job Number	Submitted	Client
54768	09/17/2012	ALTAEN

Method: 6010B, Lead (ICP)

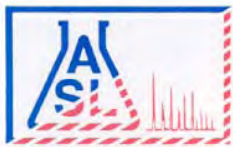
QC Batch No: 091912-2

Our Lab I.D.		288370	288371	288372	288373	288374
Client Sample I.D.		B7-A-0.5	B7-A-2.5	B7-B-0.5	B7-B-0.5 Dup	B7-B-2.5
Date Sampled		09/17/2012	09/17/2012	09/17/2012	09/17/2012	09/17/2012
Date Prepared		09/19/2012	09/19/2012	09/19/2012	09/19/2012	09/19/2012
Preparation Method						
Date Analyzed		09/24/2012	09/24/2012	09/24/2012	09/24/2012	09/24/2012
Matrix		Soil	Soil	Soil	Soil	Soil
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor		1	1	1	1	1
Analytes	PQL	Results	Results	Results	Results	Results
ICP Metals						
Lead	0.250	788	2.35	31.9	306	2.26

QUALITY CONTROL REPORT

QC Batch No: 091912-2

Analytes	LCS % REC	LCS/LCSD % Limit							
ICP Metals									
Lead	92	80-120							



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Project ID: LAPW-12-12600

Project Name: SF Teen Health

ASL Job Number	Submitted	Client
54768	09/17/2012	ALTAEN

Method: 6010B, Lead (ICP)

QC Batch No: 091912-2

Our Lab I.D.		288375	288376	288377	288378	288379
Client Sample I.D.		B7-C-0.5	B7-C-2.5	B4-A-0.5	B4-A-0.5 Dup	B4-A-2.5
Date Sampled		09/17/2012	09/17/2012	09/17/2012	09/17/2012	09/17/2012
Date Prepared		09/19/2012	09/19/2012	09/19/2012	09/19/2012	09/19/2012
Preparation Method						
Date Analyzed		09/24/2012	09/24/2012	09/24/2012	09/24/2012	09/24/2012
Matrix		Soil	Soil	Soil	Soil	Soil
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor		1	1	1	1	1
Analytes	PQL	Results	Results	Results	Results	Results
ICP Metals						
Lead	0.250	182	0.618	70.9	53.9	2.23

QUALITY CONTROL REPORT

QC Batch No: 091912-2

Analytes	LCS % REC	LCS/LCSD % Limit							
ICP Metals									
Lead	92	80-120							



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Project ID: LAPW-12-12600
Project Name: SF Teen Health

ASL Job Number	Submitted	Client
54768	09/17/2012	ALTAEN

Method: 6010B, Lead (ICP)

QC Batch No: 091912-3

Our Lab I.D.		288380	288381	288382	288383	288384
Client Sample I.D.		B4-B-0.5	B4-B-2.5	B4-C-0.5	B4-C-2.5	B3-A-0.5
Date Sampled		09/17/2012	09/17/2012	09/17/2012	09/17/2012	09/17/2012
Date Prepared		09/19/2012	09/19/2012	09/19/2012	09/19/2012	09/19/2012
Preparation Method						
Date Analyzed		09/24/2012	09/24/2012	09/24/2012	09/24/2012	09/24/2012
Matrix		Soil	Soil	Soil	Soil	Soil
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor		1	1	1	1	1
Analytes	PQL	Results	Results	Results	Results	Results
ICP Metals						
Lead	0.250	5.05	1.82	4.02	2.38	24.3

QUALITY CONTROL REPORT

QC Batch No: 091912-3

Analytes	LCS % REC	LCS/LCSD % Limit							
ICP Metals									
Lead	104	80-120							



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Project ID: LAPW-12-12600
Project Name: SF Teen Health

ASL Job Number	Submitted	Client
54768	09/17/2012	ALTAEN

Method: 6010B, Lead (ICP)

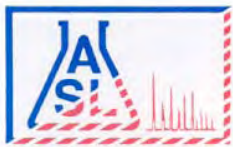
QC Batch No: 091912-3

Our Lab I.D.		288385	288386	288387	288388	288389
Client Sample I.D.		B3-A-2.5	B3-B-0.5	B3-B-2.5	B3-C-0.5	B3-C-2.5
Date Sampled		09/17/2012	09/17/2012	09/17/2012	09/17/2012	09/17/2012
Date Prepared		09/19/2012	09/19/2012	09/19/2012	09/19/2012	09/19/2012
Preparation Method						
Date Analyzed		09/24/2012	09/24/2012	09/24/2012	09/24/2012	09/24/2012
Matrix		Soil	Soil	Soil	Soil	Soil
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor		1	1	1	1	1
Analytes	PQL	Results	Results	Results	Results	Results
ICP Metals						
Lead	0.250	2.03	37.2	1.70	8.42	1.95

QUALITY CONTROL REPORT

QC Batch No: 091912-3

Analytes	LCS % REC	LCS/LCSD % Limit							
ICP Metals									
Lead	104	80-120							



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Project ID: LAPW-12-12600

Project Name: SF Teen Health

ASL Job Number	Submitted	Client
54768	09/17/2012	ALTAEN

Method: 8081A, Organochlorine Pesticides

QC Batch No: 091912-1

Our Lab I.D.		288363	288366			
Client Sample I.D.		Composite A	Composite B			
Date Sampled		09/17/2012	09/17/2012			
Date Prepared		09/19/2012	09/19/2012			
Preparation Method						
Date Analyzed		09/19/2012	09/19/2012			
Matrix		Soil	Soil			
Units		ug/kg	ug/kg			
Dilution Factor		1	1			
Analytes	PQL	Results	Results			
Aldrin	2.00	ND	ND			
alpha-Hexachlorocyclohexane (Alpha-BHC)	2.00	ND	ND			
Beta-Hexachlorocyclohexane (Beta-BHC)	2.00	ND	ND			
Gamma-Chlordane	2.00	2.39	ND			
alpha-Chlordane	2.00	4.32	ND			
4,4'-DDD (DDD)	4.00	ND	ND			
4,4'-DDE (DDE)	4.00	106	ND			
4,4'-DDT (DDT)	4.00	ND	ND			
delta-Hexachlorocyclohexane (Delta-BHC)	2.00	ND	ND			
Dieldrin	4.00	ND	ND			
Endosulfan 1	2.00	ND	ND			
Endosulfan 11	4.00	ND	ND			
Endosulfan sulfate	4.00	ND	ND			
Endrin	4.00	ND	ND			
Endrin aldehyde	4.00	ND	ND			
Endrin ketone	4.00	ND	ND			
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	2.00	ND	ND			
Heptachlor	2.00	ND	ND			
Heptachlor epoxide	2.00	ND	ND			
Methoxychlor	4.00	ND	ND			
Toxaphene	170	ND	ND			

Our Lab I.D.		288363	288366			
Surrogates	% Rec.Limit	% Rec.	% Rec.			
Surrogate Percent Recovery						
Decachlorobiphenyl	43-169	76	93			



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ANALYTICAL RESULTS

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Project ID: LAPW-12-12600

Project Name: SF Teen Health

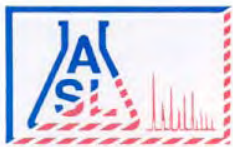
ASL Job Number	Submitted	Client
54768	09/17/2012	ALTAEN

Method: 8081A, Organochlorine Pesticides

QUALITY CONTROL REPORT

QC Batch No: 091912-1

Analytes	LCS % REC	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit					
Aldrin	119	117	1.7	42-122	<30					
4,4'-DDT (DDT)	122	115	5.9	25-160	<30					
Dieldrin	127	126	<1	36-146	<30					
Endrin	129	129	<1	30-147	<30					
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	119	117	1.7	32-127	<30					
Heptachlor	95	97	2.1	34-111	<30					



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Project ID: LAPW-12-12600

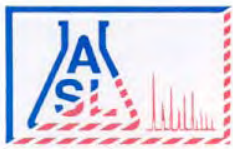
Project Name: SF Teen Health

ASL Job Number	Submitted	Client
54768	09/17/2012	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1B-091912

Our Lab I.D.		288486				
Client Sample I.D.		B6-A-1.5				
Date Sampled		09/17/2012				
Date Prepared		09/19/2012				
Preparation Method						
Date Analyzed		09/19/2012				
Matrix		Soil				
Units		ug/kg				
Dilution Factor		1				
Analytes	PQL	Results				
Acetone	50.0	ND				
Benzene	2.00	ND				
Bromobenzene (Phenyl bromide)	10.0	ND				
Bromochloromethane (Chlorobromomethane)	10.0	ND				
Bromodichloromethane (Dichlorobromomethane)	10.0	ND				
Bromoform (Tribromomethane)	50.0	ND				
Bromomethane (Methyl bromide)	30.0	ND				
2-Butanone (MEK, Methyl ethyl ketone)	50.0	ND				
n-Butylbenzene	10.0	ND				
sec-Butylbenzene	10.0	ND				
tert-Butylbenzene	10.0	ND				
Carbon disulfide	10.0	ND				
Carbon tetrachloride (Tetrachloromethane)	10.0	ND				
Chlorobenzene	10.0	ND				
Chloroethane	30.0	ND				
2-Chloroethyl vinyl ether	50.0	ND				
Chloroform (Trichloromethane)	10.0	ND				
Chloromethane (Methyl chloride)	30.0	ND				
4-Chlorotoluene (p-Chlorotoluene)	10.0	ND				
2-Chlorotoluene (o-Chlorotoluene)	10.0	ND				
1,2-Dibromo-3-chloropropane (DBCP)	50.0	ND				
Dibromochloromethane	10.0	ND				
1,2-Dibromoethane (EDB, Ethylene dibromide)	10.0	ND				
Dibromomethane	10.0	ND				
1,2-Dichlorobenzene (o-Dichlorobenzene)	10.0	ND				
1,3-Dichlorobenzene (m-Dichlorobenzene)	10.0	ND				
1,4-Dichlorobenzene (p-Dichlorobenzene)	10.0	ND				
Dichlorodifluoromethane	30.0	ND				
1,1-Dichloroethane	10.0	ND				



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ANALYTICAL RESULTS

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Project ID: LAPW-12-12600

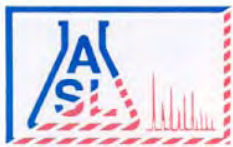
Project Name: SF Teen Health

ASL Job Number	Submitted	Client
54768	09/17/2012	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1B-091912

Our Lab I.D.		288486				
Client Sample I.D.		B6-A-1.5				
Date Sampled		09/17/2012				
Date Prepared		09/19/2012				
Preparation Method						
Date Analyzed		09/19/2012				
Matrix		Soil				
Units		ug/kg				
Dilution Factor		1				
Analytes	PQL	Results				
1,2-Dichloroethane	10.0	ND				
1,1-Dichloroethene (1,1-Dichloroethylene)	10.0	ND				
cis-1,2-Dichloroethene	10.0	ND				
trans-1,2-Dichloroethene	10.0	ND				
1,2-Dichloropropane	10.0	ND				
1,3-Dichloropropane	10.0	ND				
2,2-Dichloropropane	10.0	ND				
1,1-Dichloropropene	10.0	ND				
cis-1,3-Dichloropropene	10.0	ND				
trans-1,3-Dichloropropene	10.0	ND				
Ethylbenzene	2.00	ND				
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	30.0	ND				
2-Hexanone	50.0	ND				
Isopropylbenzene	10.0	ND				
p-Isopropyltoluene (4-Isopropyltoluene)	10.0	ND				
MTBE	5.00	ND				
4-Methyl-2-pentanone (MIBK, Methyl isobutyl ketone)	50.0	ND				
Methylene chloride (Dichloromethane, DCM)	50.0	ND				
Naphthalene	10.0	ND				
n-Propylbenzene	10.0	ND				
Styrene	10.0	ND				
1,1,1,2-Tetrachloroethane	10.0	ND				
1,1,2,2-Tetrachloroethane	10.0	ND				
Tetrachloroethene (Tetrachloroethylene)	10.0	ND				
Toluene (Methyl benzene)	2.00	ND				
1,2,3-Trichlorobenzene	10.0	ND				
1,2,4-Trichlorobenzene	10.0	ND				
1,1,1-Trichloroethane	10.0	ND				
1,1,2-Trichloroethane	10.0	ND				
Trichloroethene (TCE)	10.0	ND				
Trichlorofluoromethane	10.0	ND				
1,2,3-Trichloropropane	10.0	ND				
1,2,4-Trimethylbenzene	10.0	ND				
1,3,5-Trimethylbenzene	10.0	ND				
Vinyl acetate	50.0	ND				



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ANALYTICAL RESULTS

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Project ID: LAPW-12-12600

Project Name: SF Teen Health

ASL Job Number	Submitted	Client
54768	09/17/2012	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1B-091912

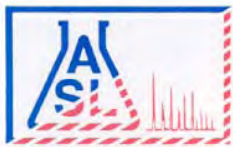
Our Lab I.D.		288486				
Client Sample I.D.		B6-A-1.5				
Date Sampled		09/17/2012				
Date Prepared		09/19/2012				
Preparation Method						
Date Analyzed		09/19/2012				
Matrix		Soil				
Units		ug/kg				
Dilution Factor		1				
Analytes	PQL	Results				
Vinyl chloride (Chloroethene)	30.0	ND				
o-Xylene	2.00	ND				
m- & p-Xylenes	4.00	ND				

Our Lab I.D.		288486				
Surrogates	% Rec.Limit	% Rec.				
Surrogate Percent Recovery						
Bromofluorobenzene	70-120	110				
Dibromofluoromethane	70-120	114				
Toluene-d8	70-120	102				

QUALITY CONTROL REPORT

QC Batch No: S1B-091912

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Benzene	90	86	4.5	75-120	15					
Chlorobenzene	91	89	2.2	75-120	15					
1,1-Dichloroethene (1,1-Dichloroethylene)	83	80	3.7	75-120	15					
MTBE	82	92	11.5	75-120	15					
Toluene (Methyl benzene)	97	94	3.1	75-120	15					
Trichloroethene (TCE)	80	76	5.1	75-120	15					



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Project ID: LAPW-12-12600

Project Name: SF Teen Health

ASL Job Number	Submitted	Client
54768	09/17/2012	ALTAEN

Method: 6010B, Arsenic (ICP)

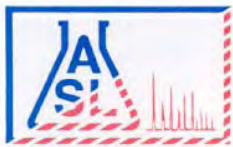
QC Batch No: 091912-3

Our Lab I.D.		288390				
Client Sample I.D.		EQB				
Date Sampled		09/17/2012				
Date Prepared		09/19/2012				
Preparation Method						
Date Analyzed		09/24/2012				
Matrix		Water				
Units		mg/L				
Dilution Factor		1				
Analytes	PQL	Results				
ICP Metals						
Arsenic	0.0100	ND				

QUALITY CONTROL REPORT

QC Batch No: 091912-3

Analytes	LCS % REC	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit					
ICP Metals										
Arsenic	103	103	<1	80-120	<20					



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Project ID: LAPW-12-12600

Project Name: SF Teen Health

ASL Job Number	Submitted	Client
54768	09/17/2012	ALTAEN

Method: 6010B, Lead (ICP)

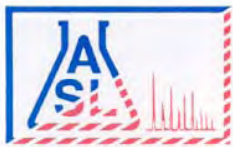
QC Batch No: 091912-3

Our Lab I.D.		288390				
Client Sample I.D.		EQB				
Date Sampled		09/17/2012				
Date Prepared		09/19/2012				
Preparation Method						
Date Analyzed		09/24/2012				
Matrix		Water				
Units		mg/L				
Dilution Factor		1				
Analytes	PQL	Results				
ICP Metals						
Lead	0.0050	ND				

QUALITY CONTROL REPORT

QC Batch No: 091912-3

Analytes	LCS % REC	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit					
ICP Metals										
Lead	104	105	<1	80-120	<20					



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Project ID: LAPW-12-12600

Project Name: SF Teen Health

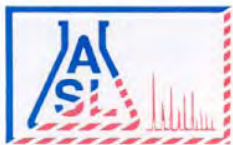
ASL Job Number	Submitted	Client
54768	09/17/2012	ALTAEN

Method: 8081A, Organochlorine Pesticides

QC Batch No: 092012-1

Our Lab I.D.		288390				
Client Sample I.D.		EQB				
Date Sampled		09/17/2012				
Date Prepared		09/20/2012				
Preparation Method						
Date Analyzed		09/20/2012				
Matrix		Water				
Units		ug/L				
Dilution Factor		1				
Analytes	PQL	Results				
Aldrin	0.0400	ND				
alpha-Hexachlorocyclohexane (Alpha-BHC)	0.120	ND				
Beta-Hexachlorocyclohexane (Beta-BHC)	0.110	ND				
Gamma-Chlordane	0.400	ND				
alpha-Chlordane	0.400	ND				
4,4'-DDD (DDD)	0.100	ND				
4,4'-DDE (DDE)	0.0900	ND				
4,4'-DDT (DDT)	0.0400	ND				
delta-Hexachlorocyclohexane (Delta-BHC)	0.110	ND				
dieldrin	0.0500	ND				
Endosulfan 1	0.0600	ND				
Endosulfan 11	0.0900	ND				
Endosulfan sulfate	0.0700	ND				
Endrin	0.0800	ND				
Endrin aldehyde	0.0900	ND				
Endrin ketone	0.0700	ND				
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	0.0600	ND				
Heptachlor	0.0300	ND				
Heptachlor epoxide	0.0700	ND				
Methoxychlor	0.100	ND				
Toxaphene	10.0	ND				

Our Lab I.D.		288390				
Surrogates	% Rec.Limit	% Rec.				
Surrogate Percent Recovery						
Decachlorobiphenyl	43-169	84				



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ANALYTICAL RESULTS

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Project ID: LAPW-12-12600

Project Name: SF Teen Health

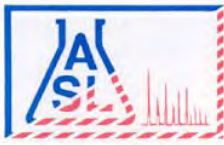
ASL Job Number	Submitted	Client
54768	09/17/2012	ALTAEN

Method: 8081A, Organochlorine Pesticides

QUALITY CONTROL REPORT

QC Batch No: 092012-1

Analytes	LCS % REC	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit					
Aldrin	121	117	3.4	42-122	<30					
4,4'-DDT (DDT)	119	107	10.6	25-160	<30					
dieldrin	128	122	4.8	36-146	<30					
Endrin	135	129	4.5	30-147	<30					
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	121	118	2.5	32-127	<30					
Heptachlor	107	107	<1	34-111	<30					



AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

Ordered By

ALTA Environmental
3777 Long Beach Blvd. Annex B1
Long Beach, CA 90807-

Number of Pages 3

Date Received 10/15/2012

Date Reported 10/22/2012

Telephone (562)495-5777

Attn Jon Barkman

Job Number	Ordered	Client
55022	10/15/2012	ALTAEN

Project ID: LAPW-12-12600

Project Name: SFHG

Site: 11133 O'Meleony Ave.
San Fernando, CA

Enclosed are the results of analyses on 9 samples analyzed as specified on attached chain of custody.

Wendy Lu
Organics Supervisor

American Scientific Laboratories, LLC (ASL) accepts sample materials from clients for analysis with the assumption that all of the information provided to ASL verbally or in writing by our clients (and/or their agents), regarding samples being submitted to ASL, is complete and accurate. ASL accepts all samples subject to the following conditions:

- 1) ASL is not responsible for verifying any client-provided information regarding any samples submitted to the laboratory.
- 2) ASL is not responsible for any consequences resulting from any inaccuracies, omissions, or misrepresentations contained in client-provided information regarding samples submitted to the laboratory.



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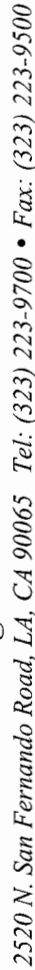
Page 1 Of 7

COC# N^o 47751 GLOBAL ID _____ E REPORT: ☒ PDF ☐ EDF ☐ EDD ASL JOB# 55022

C H A I N O F C U S T O D Y R E C O R D									
Company: <u>Alta Environmental</u>		Project Name: <u>SFKIS</u>		Report To:		ANALYSIS REQUESTED			
Address: <u>3777 Long Beach Blvd</u> <u>Long Beach, CA 90807</u>		Site Address: <u>11133 O'Melveny Ave</u>		Address:					
Telephone: <u>562-495-5777</u>		San Fernando, CA		Invoice To:					
Fax: <u>562-495-5877</u>		Project ID: <u>LAPN-12-1260</u>		Address:					
Special Instruction:		Project Manager: <u>Jonathan Barkman</u>		P.O.#:					
E-mail: <u>jonathan.barkman@altalab.com</u>		Container(s)		Matrix		Preservation		Remarks	
LAB USE ONLY		SAMPLE DESCRIPTION		Time		Date		Time	
LAB ID	Sample ID	Date	#	Type					
	B7-7B-0.5	10/15/12	1	Tube	S ₀₁				
	B7-7B-1.5								
	B7-7B-2.5								
	B7-7B-0.5								
	B7-4B-1.5								
	B7-4B-2.5								
	B7-6A-0.5								
	B7-6A-1.5								
	B7-6A-2.5								
	B7-3A-0.5								

Collected By:	Date	Time	Relinquished By:	Date	Time	TAT
<u>[Signature]</u>	10/15/12	1230	<u>[Signature]</u>	10/15/12	Time 12:30	<input checked="" type="checkbox"/> Normal
Relinquished By:	Date	Time	Received For Laboratory	Date	Time	<input type="checkbox"/> Rush
Received By:	Date	Time	Condition of Sample:			

AMERICAN SCIENTIFIC LABORATORIES, LLC
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White	Donut	Yellow	Lebanese	Dark	Client



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COC# **Nº 54766** GLOBAL ID E REPORT: ☐ PDF ☐ EDF ☐ EDD ASL JOB# 55022

Company: <u>Alta Environmental</u>		Project Name: <u>SPHS</u>		Report To:		ANALYSIS REQUESTED															
Address: <u>3777 LB Blvd</u>		Site Address:		Address:		Invoice To:		Address:		P.O.#:											
Telephone: <u>562-495-5777</u>		Project ID: <u>LAPEW-12-12600</u>		Project Manager: <u>Jon Barkman</u>		Matrix		Preservation													
Special Instruction:		Container(s)		Date		Time		#		Type											
E-mail:		Sample ID		Date		Time		#		Type											
I		LAB USE ONLY		Date		Time		#		Type											
T		Lab ID		Date		Time		#		Type											
E		B7-6B-2.5		10/15/12		926		1		Tube											
M		B7-8B-0.5				930															
		B7-8B-1.5				932															
		B7-8B-2.5				934															
		B7-3B-0.5				1007															
		B7-3B-0.5 Dup				1008															
		B7-3B-1.5				1010															
		B7-3B-2.5				1012															
		B7-2B-0.5				1014															
		B7-2B-0.5 Dup				1015															
c 289433																					
7 289434																					
Collected By:		Date		Time		Relinquished By:		Date		Time		TAT									
Relinquished By:		Date		Time		Received For Laboratory		Date		Time		<input checked="" type="checkbox"/> Normal <input type="checkbox"/> Rush									
Received By:		Date		Time		Condition of Sample:															



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Environmental Testing Services

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Page 6 of 2

COC# Nº 47759 GLOBAL ID _____ E REPORT: ☒ PDF ☐ EDF ☐ EDD ASL JOB# 55022

LAB USE ONLY		SAMPLE DESCRIPTION				Container(s)		Report To:		ANALYSIS REQUESTED											
I	T	Lab ID	Sample ID	Date	Time	#	Type	Matrix	Preservation												
			B7-2B-1.5	10/15/12	1017	1	Tube	Soil		6010B-P6 Archive											
			B7-2B-2.5		1019																
			B7-5B-0.5		1026																
			B7-5B-1.5		1028																
			B7-5B-2.5		1030																
8		289435	B7-1B-0.5		1050																
			B7-1B-0.5 Dup		1051																
			B7-1B-1.5		1053																
			B7-1B-2.5		1055																
			B7-7A-0.5		1101																
Collected By:		Date		Time		Relinquished By:		Date		Time		TAT									
Relinquished By:		Date		Time		Received For Laboratory		Date		Time		<input checked="" type="checkbox"/> Normal		<input type="checkbox"/> Rush							
Received By:		Date		Time		Condition of Sample:															



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Page 7 of 7

COC# **Nº 54769** GLOBAL ID E REPORT: ☒ PDF ☐ EDF ☐ EDD ASL JOB# 55022

Company: <u>Alta Environmental</u>				Report To:		ANALYSIS REQUESTED																					
Address: <u>3777 LB Blvd</u>				Project Name: <u>SPLS</u>		Address:																					
Telephone: <u>562-495-5777</u>				Site Address:		Invoice To:																					
Fax: <u>562-495-5777</u>				Project ID: <u>LAPN-12-12500</u>		Address:																					
Special Instruction:				Project Manager: <u>Jon Barkman</u>		P.O.#:																					
E-mail:				Project Manager:		Matrix		Preservation																			
I T E M				SAMPLE DESCRIPTION				Container(s)																			
Lab ID				Sample ID		Date		Time		#		Type															
				B7-7A-1.5		10/15/12		1103		1		Tube		X													
				B7-7A-2.5				1105		1				X													
				B7-4A-0.5				1106		1				X													
				B7-4A-1.5				1108		1				X													
				B7-4A-2.5				1110		1				X													
9 289436				B7-2A-0.5				1113		1				X													
				B7-2A-0.5 Dup				1114		1				X													
				B7-2A-1.5				1116		1				X													
				B7-2A-2.5				1118		1				X													
Collected By:				Date				Time				Relinquished By: <u>[Signature]</u>				Date				Time				TAT			
Relinquished By:				Date				Time				Received For Laboratory				Date				Time				<input checked="" type="checkbox"/> Normal <input type="checkbox"/> Rush			
Received By:				Date				Time				Condition of Sample:															



AMERICAN SCIENTIFIC LABORATORIES, LLC

Environmental Testing Services

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ANALYTICAL RESULTS

Ordered By**Site**

ALTA Environmental
3777 Long Beach Blvd. Annex B1
Long Beach, CA 90807-

11133 O'Meleony Ave.
San Fernando, CA

Telephone: (562)495-5777

Attn: Jon Barkman

Page: 2

Project ID: LAPW-12-12600

Project Name: SFHG

ASL Job Number	Submitted	Client
55022	10/15/2012	ALTAEN

Method: 6010B, Lead (ICP)

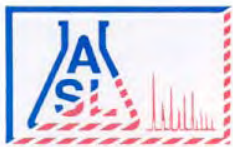
QC Batch No: 101712-2

Our Lab I.D.		289428	289429	289430	289431	289432
Client Sample I.D.		B7-1A-0.5	B7-1A-0.5DU P	B7-2C-0.5	B7-1C-0.5	B7-1C-0.5DU P
Date Sampled		10/15/2012	10/15/2012	10/15/2012	10/15/2012	10/15/2012
Date Prepared		10/17/2012	10/17/2012	10/17/2012	10/17/2012	10/17/2012
Preparation Method						
Date Analyzed		10/18/2012	10/18/2012	10/18/2012	10/18/2012	10/18/2012
Matrix		Soil	Soil	Soil	Soil	Soil
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor		1	1	1	1	1
Analytes	PQL	Results	Results	Results	Results	Results
ICP Metals						
Lead	0.250	26.2	30.3	232	6.79	15.4

QUALITY CONTROL REPORT

QC Batch No: 101712-2

Analytes	LCS % REC	LCS/LCSD % Limit							
ICP Metals									
Lead	91	80-120							



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Environmental Testing Services

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ANALYTICAL RESULTS

Ordered By**Site**

ALTA Environmental
3777 Long Beach Blvd. Annex B1
Long Beach, CA 90807-

11133 O'Meleony Ave.
San Fernando, CA

Telephone: (562)495-5777

Attn: Jon Barkman

Page: 3

Project ID: LAPW-12-12600

Project Name: SFHG

ASL Job Number	Submitted	Client
55022	10/15/2012	ALTAEN

Method: 6010B, Lead (ICP)

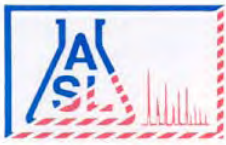
QC Batch No: 101712-2

Our Lab I.D.		289433	289434	289435	289436	
Client Sample I.D.		B7-3B-0.5	B7-2B-0.5	B7-1B-0.5	B7-2A-0.5	
Date Sampled		10/15/2012	10/15/2012	10/15/2012	10/15/2012	
Date Prepared		10/17/2012	10/17/2012	10/17/2012	10/17/2012	
Preparation Method						
Date Analyzed		10/18/2012	10/18/2012	10/18/2012	10/18/2012	
Matrix		Soil	Soil	Soil	Soil	
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg	
Dilution Factor		1	1	1	1	
Analytes	PQL	Results	Results	Results	Results	
ICP Metals						
Lead	0.250	140	163	19.5	30.0	

QUALITY CONTROL REPORT

QC Batch No: 101712-2

Analytes	LCS % REC	LCS/LCSD % Limit							
ICP Metals									
Lead	91	80-120							



AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

Ordered By

ALTA Environmental
3777 Long Beach Blvd. Annex B1
Long Beach, CA 90807-

Number of Pages 2

Date Received 10/15/2012

Date Reported 10/25/2012

Telephone (562)495-5777
Attn Jon Barkman

Job Number	Ordered	Client
55115	10/23/2012	ALTAEN

Project ID: LAPW-12-17736
Project Name: SFHG
Site: 11133 O'Melony Ave.
San Fernando, CA

Enclosed are the results of analyses on 3 samples analyzed as specified on attached chain of custody.

Wendy Lu
Organics Supervisor

American Scientific Laboratories, LLC (ASL) accepts sample materials from clients for analysis with the assumption that all of the information provided to ASL verbally or in writing by our clients (and/or their agents), regarding samples being submitted to ASL, is complete and accurate. ASL accepts all samples subject to the following conditions:

- 1) ASL is not responsible for verifying any client-provided information regarding any samples submitted to the laboratory.
- 2) ASL is not responsible for any consequences resulting from any inaccuracies, omissions, or misrepresentations contained in client-provided information regarding samples submitted to the laboratory.

Additional Request

2 Days TAT

New Job # 55115

Requested Date : 10/23/12

Report Due : 10/25/12

Alen

Based on the provided results, I will need additional samples analyzed. For ASL job number 55022, please run the following archived samples for **Pb - 6010B**:

Sample I.D.	Sample Date	Matrix	New I.D.
B7-5B-0.5	10/15/12	Soil	289783
B7-6B-0.5	10/15/12	Soil	289784
B7-5C-0.5	10/15/12	Soil	289785

Also, ASL job #55022, please use PO# LAPW-12-17736

Thank you!

Regards,

JONATHAN BARKMAN
PROJECT MANAGER/SENIOR I



3777 Long Beach Blvd. Annex Building, Long Beach, CA 90807
o. 562.495.5777 c. 310.920.8404 f. 562.495.5877



AMERICAN SCIENTIFIC LABORATORIES, LLC

Environmental Testing Services

2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

ANALYTICAL RESULTS

Ordered By**Site**

ALTA Environmental
3777 Long Beach Blvd. Annex B1
Long Beach, CA 90807-

11133 O'Melony Ave.
San Fernando, CA

Telephone: (562)495-5777

Attn: Jon Barkman

Page: 2

Project ID: LAPW-12-17736

Project Name: SFHG

ASL Job Number	Submitted	Client
55115	10/15/2012	ALTAEN

Method: 6010B, Lead (ICP)

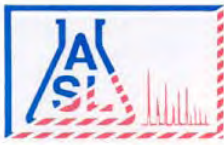
QC Batch No: 102312-1

Our Lab I.D.		289783	289784	289785		
Client Sample I.D.		B7-5B-0.5	B7-6B-0.5	B7-5C-0.5		
Date Sampled		10/15/2012	10/15/2012	10/15/2012		
Date Prepared		10/23/2012	10/23/2012	10/23/2012		
Preparation Method						
Date Analyzed		10/24/2012	10/24/2012	10/24/2012		
Matrix		Soil	Soil	Soil		
Units		mg/Kg	mg/Kg	mg/Kg		
Dilution Factor		1	1	1		
Analytes	PQL	Results	Results	Results		
ICP Metals						
Lead	0.250	245	5.14	88.9		

QUALITY CONTROL REPORT

QC Batch No: 102312-1

Analytes	LCS % REC	LCS/LCSD % Limit								
ICP Metals										
Lead	97	80-120								



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Ordered By

ALTA Environmental
3777 Long Beach Blvd. Annex B1
Long Beach, CA 90807-

Number of Pages 2

Date Received 10/15/2012

Date Reported 10/29/2012

Telephone (562)495-5777
Attn Jon Barkman

Job Number	Ordered	Client
55162	10/25/2012	ALTAEN

Project ID: LAPW-12-12600
Project Name: SFHS
Site: 11133 O'Melvery Ave.
San Fernando, CA

Enclosed are the results of analyses on 5 samples analyzed as specified on attached chain of custody.

Wendy Lu
Organics Supervisor

American Scientific Laboratories, LLC (ASL) accepts sample materials from clients for analysis with the assumption that all of the information provided to ASL verbally or in writing by our clients (and/or their agents), regarding samples being submitted to ASL, is complete and accurate. ASL accepts all samples subject to the following conditions:

- 1) ASL is not responsible for verifying any client-provided information regarding any samples submitted to the laboratory.
- 2) ASL is not responsible for any consequences resulting from any inaccuracies, omissions, or misrepresentations contained in client-provided information regarding samples submitted to the laboratory.

From: Jonathan Barkman [mailto:jonathan.barkman@altaenviron.com]
Sent: Thursday, October 25, 2012 4:42 PM
To: Alen Hosepian
Subject: RE: ASL PDF results for Job# 55115 (LAPW-12-17736)
Importance: High

Additional Requested Date : 10/25/12
Report Due : 10/29/12

2Days TAT

New JOB #55162

Please run the following archived samples from ASL job # 55022 for **Lead by 6010B on a 2-day TAT:**

Sample ID	Sample Date	Matrix	New I.D.
B7-2B-1.5	10/15/12	Soil	290001
B7-5B-1.5	10/15/12	Soil	290002
B7-3B-1.5	10/15/12	Soil	290003
B7-2C-1.5	10/15/12	Soil	290004
B7-5C-1.5	10/15/12	Soil	290005

Regards,

JONATHAN BARKMAN
PROJECT MANAGER/SENIOR I



3777 Long Beach Blvd, Annex Building, Long Beach, CA 90807
o. 562.495.5777 c. 310.920.8404 f. 562.495.5877
jonathan.barkman@altaenviron.com | www.altaenviron.com



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Environmental Testing Services

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Additional Request (10/25/12)

7 Days Rush, Due 10/29/12 of 7

NEW JOB # 55162

COC# N^o 47751 GLOBAL ID

REPORT: ☒ PDF ☐ EDF ☐ EDD ASL JOB# 55022

CHAIN OF CUSTODY RECORD									
Company: Alta Environmental		Project Name: SFHLS		Report To:		ANALYSIS REQUESTED			
Address: 3777 Long Beach Blvd, Long Beach, CA 90807		Site Address: 11133 O Melvyn Ave.		Address:					
Telephone: 562-495-5777		San Fernando, CA		Invoice To:					
Fax: 562-495-5877		Project ID: CAPN-12-1260		Address:					
Special Instruction:		Project Manager: Jan Barkman		P.O.#:					
E-mail: jowethon.barkman@altalabs.com		Container(s)		Matrix		Preservation		Remarks	
LAB USE ONLY		SAMPLE DESCRIPTION		Type					
I	T	Lab ID	Sample ID	Date	Time	#			
			B7-7B-0.5	10/15/12	720	1	Tube	X	
			B7-7B-1.5		725			X	
			B7-7B-2.5		730			X	
			B7-4B-0.5		736			X	
			B7-4B-1.5		738			X	
			B7-4B-2.5		740			X	
			B7-6A-0.5		746			X	
			B7-6A-1.5		748			X	
			B7-6A-2.5		750			X	
			B7-3A-0.5		752			X	

Collected By:	Date	Time	Relinquished By:	Date	Time	TAT
Jan Barkman	10/15/12	12:30	Jan Barkman	10/15/12	12:30	Normal <input checked="" type="checkbox"/> Rush <input type="checkbox"/>
Relinquished By:	Date	Time	Received For Laboratory	Date	Time	
Received By:	Date	Time	Condition of Sample:			



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Environmental Testing Services

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Page 2 of Z

COC# N° **54767** GLOBAL ID _____ E REPORT: ☒ PDF ☐ EDF ☐ EDD ASL JOB# 55022

CHAIN OF CUSTODY RECORD									
Company: <u>Alta Environmental</u>									
Address: <u>3777 Long Beach Blvd</u>									
Site Address: <u>LA, CA 90807</u>									
Telephone: <u>562-495-5777</u>									
Special Instruction: _____									
Project ID: <u>LAPW-12-12800</u>									
Project Manager: <u>Jon Barkman</u>									
P.O.#: _____									
Report To: _____									
Address: _____									
Invoice To: _____									
Address: _____									
Matrix: _____									
Preservation: _____									
Remarks: _____									
LAB USE ONLY	Sample ID	Date	Time	#	Type	Container(s)	Matrix	Preservation	Remarks
1 289428	B7-3A-1.5	10/15/12	754	1	Tube		Seal		
2 289429	B7-3A-2.5		756						
	B7-1A-0.5		758						
	B7-1A-0.5 Dup		759						
	B7-1A-1.5		800						
	B7-1A-2.5		802						
	B7-7C-0.5		805						
	B7-7C-1.5		807						
	B7-7C-2.5		809						
	B7-6C-0.5		820						

Collected By: <u>[Signature]</u>	Date <u>10/15/12</u>	Time <u>1230</u>	Relinquished By: <u>[Signature]</u>	Date <u>10/15/12</u>	Time <u>12:30</u>	TAT
Relinquished By: _____	Date _____	Time _____	Received For Laboratory: _____	Date <u>10/15/12</u>	Time <u>12:30</u>	<input checked="" type="checkbox"/> Normal <input type="checkbox"/> Rush
Received By: _____	Date _____	Time _____	Condition of Sample: _____			



AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

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Page 3 Of 7

COC# **Nº 54768** GLOBAL ID E REPORT: ☒ PDF ☐ EDF ☐ EDD ASL JOB# 55022

CHAIN OF CUSTODY RECORD											
LAB USE ONLY		SAMPLE DESCRIPTION				Report To:		ANALYSIS REQUESTED			
Lab ID	Sample ID	Date	Time	#	Type	Matrix	Preservation	Address:	Remarks		
	B7-6C-1.5	10/15/12	822	1	Tube	Soil		6018 B-Pb			
	B7-6C-2.5		824								
	B7-5C-0.5		830								
	B7-5C-1.5		832								
	B7-5C-2.5		839								
3289430	B7-2C-0.5		838								
290004	B7-2C-1.5		840								
	B7-2C-2.5		842								
	B7-4C-0.5		900								
	B7-4C-1.5		902								
Collected By:						Date	Time	Relinquished By:	Date	Time	TAT
Relinquished By:						Date	Time	Received For Laboratory	Date	Time	<input checked="" type="checkbox"/> Normal <input type="checkbox"/> Rush
Received By:						Date	Time	Condition of Sample:			



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COC# N° 54765 GLOBAL ID _____ E REPORT: ☒ PDF ☐ EDF ☐ EDD ASL JOB# 55022

CHAIN OF CUSTODY RECORD											
LAB USE ONLY		SAMPLE DESCRIPTION				Container(s)		Report To:		ANALYSIS REQUESTED	
I	T	Lab ID	Sample ID	Date	Time	#	Type	Matrix	Preservation	Address:	Remarks
			B7-4C-2.5	10/15/12	904	1	Tube	Soil		6010B-Pb Archive	
			B7-3C-0.5		906						
			B7-3C-1.5		908						
			B7-3C-2.5		910						
4		289431	B7-1C-0.5		915						
5		289432	B7-1C-0.5 Dup		916						
			B7-1C-1.5		918						
			B7-1C-2.5		920						
			B7-6B-0.5		922						
			B7-6B-1.5		924						
Collected By:		Date				Time		Relinquished By:		Date 10/15/12 Time 12:30	
Relinquished By:		Date				Time		Received For Laboratory		Date 10/15/12 Time 12:30	
Received By:		Date				Time		Condition of Sample:		TAT <input type="checkbox"/> Normal <input type="checkbox"/> Rush	

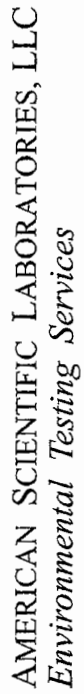


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COC# N° **54766** GLOBAL ID E REPORT: ☐ PDF ☐ EDF ☐ EDD ASL JOB# **55022**

CHAIN OF CUSTODY RECORD									
Company: <u>Alta Environmental</u>									
Report To:									
ANALYSIS REQUESTED									
Address: <u>3777 LB Blvd</u>									
Site Address: <u>LB, CA 90807</u>									
Telephone: <u>562-495-5777</u>									
Fax: <u>562-495-5777</u>									
Special Instruction: <u> </u>									
Project ID: <u>LAPW-12-12600</u>									
Project Manager: <u>Jon Barkman</u>									
P.O.#: <u> </u>									
Matrix									
Preservation									
Remarks									
I	LAB USE ONLY	Sample ID	Date	Time	#	Type	Matrix	Preservation	Remarks
T		B7-6B-2.5	10/15/12	926	1	Tube	Soil		
E		B7-8B-0.5		930					
M		B7-8B-1.5		932					
		B7-8B-2.5		934					
		B7-3B-0.5		1007					
		B7-3B-0.5 Dup		1008					
		B7-3B-1.5		1010					
		B7-3B-2.5		1012					
		B7-2B-0.5		1014					
		B7-2B-0.5 Dup		1015					
Collected By:		Date		Time		Relinquished By: <u> </u>		Date <u>10/15/12</u> Time <u>9230</u>	
Relinquished By:		Date		Time		Received For Laboratory		Date <u>10/15/12</u> Time <u>12:30</u>	
Received By:		Date		Time		Condition of Sample:		<input checked="" type="checkbox"/> Normal <input type="checkbox"/> Rush	



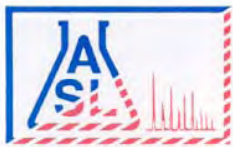
2520 N. San Fernando Road, LA, CA 90065 Tel: (323) 223-9700 • Fax: (323) 223-9500

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COC# N^o 54769 GLOBAL ID _____ E REPORT: ☒ PDF ☐ EDF ☐ EDD ASL JOB# 55022

Company: Alta Environmental				Project Name: SPAS				Report To:				ANALYSIS REQUESTED															
Address: 3777 LB Blvd				Site Address:				Address:				Address:				Address:				Address:				Address:			
Telephone: 562-495-5777				Fax:				Project ID: LAPH-12-12500				P.O.#:				Preservation				Remarks							
Special Instruction:				Project Manager: Jon Barkman				Container(s)				Matrix				Matrix				Matrix							
E-mail:				SAMPLE DESCRIPTION				Time				#				Type				Type							
LAB USE ONLY				Sample ID				Date				Time				#				Type							
LAB USE ONLY				Sample ID				Date				Time				#				Type							
I				B7-7A-1.5				10/5/12				1103				1				Take							
T				B7-7A-2.5				1105				1105				1				1							
E				B7-4A-0.5				1106				1106				1				1							
M				B7-4A-1.5				1108				1108				1				1							
				B7-4A-2.5				1110				1110				1				1							
9289436				B7-2A-0.5				1113				1113				1				1							
				B7-2A-0.5 Dup				1114				1114				1				1							
				B7-2A-1.5				1116				1116				1				1							
				B7-2A-2.5				1118				1118				1				1							

White - Report Yellow - Laboratory Pink - Client



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ANALYTICAL RESULTS

Ordered By**Site**

ALTA Environmental
3777 Long Beach Blvd. Annex B1
Long Beach, CA 90807-

11133 O'Melvery Ave.
San Fernando, CA

Telephone: (562)495-5777

Attn: Jon Barkman

Page: 2

Project ID: LAPW-12-12600

Project Name: SFHS

ASL Job Number	Submitted	Client
55162	10/15/2012	ALTAEN

Method: 6010B, Lead (ICP)

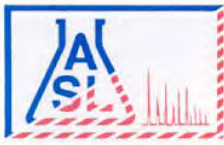
QC Batch No: 102612-1

Our Lab I.D.		290001	290002	290003	290004	290005
Client Sample I.D.		B7-2B-1.5	B7-5B-1.5	B7-3B-1.5	B7-2C-1.5	B7-5C-1.5
Date Sampled		10/15/2012	10/15/2012	10/15/2012	10/15/2012	10/15/2012
Date Prepared		10/26/2012	10/26/2012	10/26/2012	10/26/2012	10/26/2012
Preparation Method						
Date Analyzed		10/29/2012	10/29/2012	10/29/2012	10/29/2012	10/29/2012
Matrix		Soil	Soil	Soil	Soil	Soil
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor		1	1	1	1	1
Analytes	PQL	Results	Results	Results	Results	Results
ICP Metals						
Lead	0.250	11.4	22.6	6.76	76.7	2.06

QUALITY CONTROL REPORT

QC Batch No: 102612-1

Analytes	LCS % REC	LCS/LCSD % Limit							
ICP Metals									
Lead	97	80-120							



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Ordered By

ALTA Environmental
3777 Long Beach Blvd. Annex B1
Long Beach, CA 90807-

Number of Pages 2

Date Received 09/17/2012

Date Reported 10/29/2012

Telephone (562)495-5777
Attn Jon Barkman

Job Number	Ordered	Client
55163	10/25/2012	ALTAEN

Project ID: LAPW-12-12600
Project Name: SF Teen Health
Site: 11133 O'Melvery Ave.
San Fernando, CA

Enclosed are the results of analyses on 3 samples analyzed as specified on attached chain of custody.

Wendy Lu
Organics Supervisor

American Scientific Laboratories, LLC (ASL) accepts sample materials from clients for analysis with the assumption that all of the information provided to ASL verbally or in writing by our clients (and/or their agents), regarding samples being submitted to ASL, is complete and accurate. ASL accepts all samples subject to the following conditions:

- 1) ASL is not responsible for verifying any client-provided information regarding any samples submitted to the laboratory.
- 2) ASL is not responsible for any consequences resulting from any inaccuracies, omissions, or misrepresentations contained in client-provided information regarding samples submitted to the laboratory.



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COC# N° 58795 GLOBAL ID _____ E REPORT: ☐ PDF ☐ EDI ☒ EDD ASL JOB# 54768

Company: Alta Environmental
Address: 3777 Long Beach Blvd
Long Beach, CA 90807
Telephone: 562-495-5777
Fax: 562-495-5877
Special Instruction:
E-mail: jen@altaenvironmental.com Manager: Jon Bartman

Project Name: SF Teen Nest/Hk
Site Address: 11133 O'Melveny Ave
San Fernando, CA
Project ID: LAPN-12-12600
P.O.#:

I T E M	LAB USE ONLY		SAMPLE DESCRIPTION				Container(s)		Matrix	Preservation	Additions 9/19/12	Remarks
	Lab ID	Sample ID	Date	Time	#	Type						
1	288363	Composite A B6-A-0.5	9/17/12	1000	1	Tube		X	Soil			Composite A =
2	288364	-1.0		1001						X		B6-A-0.5
		-1.5		1002						X	✓	B6-B-0.5
		-2.0		1003						X		B6-C-0.5
3	288365	-2.5		1004						X		
		-3.0		1005						X		Composite B =
4	288366	Composite B B6-B-0.5		1010				X				B6-A-2.5
5	288519	-0.5 Onp		1011						✓		B6-B-2.5
6	288520	-1.0		1012							X	B6-C-2.5
		-1.5		1013							X	

Collected By: Jon Bartman Date 9/17/12 Time 1345
Relinquished By: Jon Bartman Date 9/17/12 Time 145
Received By: Jon Bartman Date 9-17-12 Time 145
Condition of Sample: Received For Laboratory
TAT: ☒ Normal ☐ Rush

Additional Request (10/25/12) 9
Page 1 of 8
NEW JOB # 55163

2 Days Rush, 10/29/12

C H A I N O F C U S T O D Y R E C O R D



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COC# N° 58796 GLOBAL ID 58796 E REPORT: ☐ PDF ☐ EDF ☐ EDD ASL JOB# 54768

Company: Alta Environmental				Project Name: SF Teen Health		Report To:		ANALYSIS REQUESTED	
Address:				Site Address: 11133 G'McHenry Ave		Address:			
Telephone: 562-445-5777				San Fernando, CA		Invoice To:			
Fax: 562-445-5877				Project ID: LAPW-1210800		Address:			
Special Instruction:				Project Manager:		P.O.#:			
E-mail:									
LAB USE ONLY		SAMPLE DESCRIPTION		Container(s)		Matrix		Preservation	
I	T	Sample ID	Date	Time	#	Type			
5	288367	B6-B-2.0	9/17/12	1014	1	Tube	Su1		
		-2.5		1015					
		-3.0		1016					
6	288368	B6-C-0.5		1020					
		1.0		1021					
		1.5		1022					
		2.0		1023					
7	288369	2.5		1024					
		3.0		1025					
8	288370	B7-A-0.5		1045					

Collected By:	Date 9/17/12	Time 1300	Relinquished By:	Date 9/17/12	Time 1415	TAT
Received By:			Received For Laboratory:			<input type="checkbox"/> Normal <input type="checkbox"/> Rush
Received By:			Condition of Sample:			



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COC# N° 58797 GLOBAL ID _____ E REPORT: ☐ PDF ☐ EDF ☐ EDD ASL JOB# 54768

CHAIN OF CUSTODY RECORD											
LAB USE ONLY		SAMPLE DESCRIPTION				Container(s)		Report To:		ANALYSIS REQUESTED	
I	T	Lab ID	Sample ID	Date	Time	#	Type	Matrix	Preservation	Date	Time
			B7-A-1.0	9/17/12	1046	1	Tube	Soil			
		290006 ✓	1.5		1047						
			2.0		1048						
			2.5		1049						
			3.0		1050						
9		288371	B7-B-0.5		1055						
			0.5 Pmp		1056						
10		288372	-1.0		1057						
			-1.5		1058						
11		288373	-2.0		1059						
		290007 ✓									
Collected By:		Date 9/17/12		Time 1346		Relinquished By:		Date		Time	
Relinquished By:		Date		Time		Received For Laboratory:		Date 9-17-12		Time 1458	
Received By:		Date		Time		Condition of Sample:				TAT	
										<input checked="" type="checkbox"/> Normal <input type="checkbox"/> Rush	

Company: Alta Environmental										Report To:										ANALYSIS REQUESTED																			
Address: 3771 Long Beach LB, CA 90807					Project Name: SP Team Health Site Address: 11/33 O'Malley					Address:					Invoice To:					Address:					P.O.#:					60103 PB Archive									
Telephone: 562-495-5777 Fax:					Project ID: LAPW-12-12600					Project Manager: J. Barkman					Matrix					Preservation					Remarks														
Special Instruction:					E-mail:					SAMPLE DESCRIPTION																													
LAB USE ONLY					Sample ID					Date					Time					#					Type														
13 288374					B7B-2.5					9/7/12					1100					1					Tube					X									
13 288375					B7C-0.5										1101																								
13 288376					B7C-0.5										1105																								
13 288377					B7C-0.5										1106																								
13 288378					B7C-0.5										1107																								
13 288379					B7C-0.5										1108																								
13 288380					B7C-0.5										1109																								
13 288381					B7C-0.5										1110																								
13 288382					B7C-0.5										1111																								
13 288383					B7C-0.5										1112																								
13 288384					B7C-0.5										1113																								
13 288385					B7C-0.5										1114																								
13 288386					B7C-0.5										1115																								
13 288387					B7C-0.5										1116																								
13 288388					B7C-0.5										1117																								
13 288389					B7C-0.5										1118																								
13 288390					B7C-0.5										1119																								
13 288391					B7C-0.5										1120																								
13 288392					B7C-0.5										1121																								
13 288393					B7C-0.5										1122																								
13 288394					B7C-0.5										1123																								
13 288395					B7C-0.5										1124																								
13 288396					B7C-0.5										1125																								
13 288397					B7C-0.5										1126																								
13 288398					B7C-0.5										1127																								
13 288399					B7C-0.5										1128																								
13 288400					B7C-0.5										1129																								
13 288401					B7C-0.5										1130																								
13 288402					B7C-0.5										1131																								
13 288403					B7C-0.5										1132																								
13 288404					B7C-0.5										1133																								
13 288405					B7C-0.5										1134																								
13 288406					B7C-0.5										1135																								
13 288407					B7C-0.5										1136																								
13 288408					B7C-0.5										1137																								
13 288409					B7C-0.5										1138																								
13 288410					B7C-0.5										1139																								
13 288411					B7C-0.5										1140																								
13 288412					B7C-0.5										1141																								



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COC# N° **58799** GLOBAL ID E REPORT: ☐ PDF ☐ EDF ☐ EDD ASL JOB# **54768**

Company: <u>Alta Environmental</u>		Project Name: <u>SF Teen Heart</u>		Report To:		ANALYSIS REQUESTED																	
Address: <u>3777 Long Beach</u>		Site Address: <u>11133 O'Mahony</u>		Address:																			
Telephone: <u>562-4495-5777</u>		San Fernando		Invoice To:																			
Fax: <u>562-4495-5777</u>		Project ID: <u>LAPW-12-13600</u>		Address:																			
Special Instruction:		Project Manager: <u>J. Barkman</u>		P.O.#:																			
E-mail:		Container(s)		Matrix		Preservation																	
I T E M		SAMPLE DESCRIPTION		Date		Time		#		Type													
		B4-A-1.0		9/17/12		1122		1		Tube													
		-1.5				1123																	
		-2.0				1124																	
		-2.5				1125																	
		-3.0				1126																	
		B4-B-0.5				1130																	
		-1.0				1131																	
		-1.5				1132																	
		-2.0				1133																	
		-2.5				1134																	
17 288379																							
18 288380																							
19 288381																							

Collected By:	Date	Time	Relinquished By:	Date	Time	TAT
<u>Lead</u>	<u>9/17/12</u>	<u>1345</u>	<u>Lead</u>	<u>9/17/12</u>	<u>Time 1.45</u>	<input type="checkbox"/> Normal <input type="checkbox"/> Rush

Received By:	Date	Time	Condition of Sample:



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COC# N° **58800** GLOBAL ID E REPORT: ☐ PDF ☐ EDF ☐ EDD ASL JOB# **54268**

Company: <u>Asta Environmental</u>				Report To:		ANALYSIS REQUESTED															
Address: <u>3777 Long Beach</u>				Project Name: <u>SE Teen Health</u>		Address:															
Telephone: <u>562-495-5777</u>				Site Address: <u>11133 O'Mahony</u>		Invoice To:															
Fax: <u>562-495-5777</u>				San Fernando		Address:															
Special Instruction:				Project ID: <u>LAPW-12-12600</u>		P.O.#:															
E-mail:				Project Manager: <u>S. Barkman</u>																	
SAMPLE DESCRIPTION				Container(s)		Matrix		Preservation													
LAB USE ONLY																					
Lab ID		Sample ID		Date		Time		#		Type											
20 288382		B4-B-3.0		9/17/12		1135		1		Table											
		B4-C-0.5				1130															
		-1.0				1131															
		-1.5				1132															
		-2.0				1133															
		-2.5				1134															
		-3.0				1135															
21 288383		B3-A-0.5				1150															
		-1.0				1151															
		-1.5				1152															
Collected By: <u>[Signature]</u>				Date: <u>9/17/12</u>		Time: <u>1345</u>		Relinquished By:		Date:		Time:		TAT							
Relinquished By:				Date:		Time:		Received For Laboratory:		Date: <u>9/17/12</u>		Time: <u>145</u>		<input type="checkbox"/> Normal <input type="checkbox"/> Rush							
Received By:				Date:		Time:		Condition of Sample:													



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COC# **Nº 62802** GLOBAL ID E REPORT: ☐ PDF ☐ EDF ☐ EDD ASL JOB# **54768**

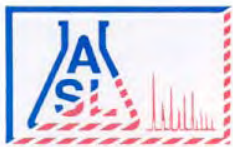
LAB USE ONLY				SAMPLE DESCRIPTION		Container(s)		Report To:		ANALYSIS REQUESTED													
I	T	E	M	Sample ID	Date	Time	#	Type	Address:	Invoice To:	Address:												
				135-A-2.0	9/17/12	1153	1	Soil	6010 B-P3														
23	288385			-2.5		1154																	
				-3.0		1155																	
24	288386			10133-KS-0.5		1700																	
				-1.0		1701																	
				-1.5		1702																	
				-2.0		1703																	
25	288387			-2.5		1704																	
				-3.0		1705																	
26	288388			133-C0.5		1715																	

Collected By:	Date	Time	Relinquished By:	Date	Time	TAT
<i>[Signature]</i>	9/17/12	1345	<i>[Signature]</i>	9/17/12	1712	Normal
Relinquished By:	Date	Time	Received For Laboratory:	Date	Time	
Received By:	Date	Time	Condition of Sample:			

COC# **Nº** **60741** GLOBAL ID _____ E REPORT: ☐ PDF ☐ EDF ☐ EDD ASL JOB# 59968

C H A - N O F C U S T O D Y R E C O R D

[illegible]



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ANALYTICAL RESULTS

Ordered By**Site**

ALTA Environmental
3777 Long Beach Blvd. Annex B1
Long Beach, CA 90807-

11133 O'Melvery Ave.
San Fernando, CA

Telephone: (562)495-5777

Attn: Jon Barkman

Page: 2

Project ID: LAPW-12-12600

Project Name: SF Teen Health

ASL Job Number	Submitted	Client
55163	09/17/2012	ALTAEN

Method: 6010B, Lead (ICP)

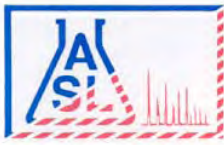
QC Batch No: 102912-1

Our Lab I.D.		290006	290007	290008		
Client Sample I.D.		B7-A-1.5	B7-B-1.5	B7-C-1.5		
Date Sampled		09/17/2012	09/17/2012	09/17/2012		
Date Prepared		10/26/2012	10/26/2012	10/26/2012		
Preparation Method						
Date Analyzed		10/29/2012	10/29/2012	10/29/2012		
Matrix		Soil	Soil	Soil		
Units		mg/Kg	mg/Kg	mg/Kg		
Dilution Factor		1	1	1		
Analytes	PQL	Results	Results	Results		
ICP Metals						
Lead	0.250	2.93	2.27	1.92		

QUALITY CONTROL REPORT

QC Batch No: 102912-1

Analytes	LCS % REC	LCS/LCSD % Limit								
ICP Metals										
Lead	97	80-120								



AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

Ordered By

ALTA Environmental
3777 Long Beach Blvd. Annex B1
Long Beach, CA 90807-

Number of Pages 2

Date Received 10/15/2012

Date Reported 10/31/2012

Telephone (562)495-5777
Attn Jonathan Barkman

Job Number	Ordered	Client
55178	10/30/2012	ALTAEN

Project ID: LAPW-12-17736
Project Name: SFHS
Site: 11133 O'Melvery Ave.
San Fernando, CA

Enclosed are the results of analyses on 2 samples analyzed as specified on attached chain of custody.

Wendy Lu
Organics Supervisor

American Scientific Laboratories, LLC (ASL) accepts sample materials from clients for analysis with the assumption that all of the information provided to ASL verbally or in writing by our clients (and/or their agents), regarding samples being submitted to ASL, is complete and accurate. ASL accepts all samples subject to the following conditions:

- 1) ASL is not responsible for verifying any client-provided information regarding any samples submitted to the laboratory.
- 2) ASL is not responsible for any consequences resulting from any inaccuracies, omissions, or misrepresentations contained in client-provided information regarding samples submitted to the laboratory.

Additional Request**24Hr TAT****New Job # 55178****Requested Date : 10/30/12****Report Due : 10/31/12**

Please have the following samples run on **24-hr TAT for Lead as 6010B.**

The PO and project number for this task is LAPW-12-17736.

<u>Sample I.D.</u>	<u>Sample Date</u>	<u>Matrix</u>	<u>Lab I.D.</u>
B7-4C-0.5	10/15/12	Soil	290073
B7-7C-0.5	10/15/12	Soil	290074

Thank you

Regards,

JONATHAN BARKMAN
PROJECT MANAGER/SENIOR I



3777 Long Beach Blvd, Annex Building, Long Beach, CA 90807
o. 562.495.5777 c. 310.920.8404 f. 562.495.5877
jonathan.barkman@altaenviron.com | www.altaenviron.com



AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

2520 N. San Fernando Road, LA, CA 90065 Tel: (323) 223-9700 • Fax: (323) 223-9500

Additional Request (10/30/12)

Page 1 of 7

NEW JOB # 55178

COC# N^o 47751 GLOBAL ID

E REPORT: ☒ PDF ☐ EDF ☐ EDD ASL JOB# 55022

CHAIN OF CUSTODY RECORD									
Company: Alta Environmental		Project Name: SFLIS		Report To:		ANALYSIS REQUESTED			
Address: 2777 Long Beach Blvd Long Beach, CA 90807		Site Address: 11133 O. Melvyn Ave		Address:					
Telephone: 562-495-5777		San Fernando, CA		Invoice To:					
Fax: 562-495-5877		Project ID: LAPW-12-12600 17736		Address:					
Special Instruction:		Project Manager: Jon Barkman		P.O.#:					
E-mail: jonathan.barkman@altalabs.com		Container(s)		Matrix		Preservation		Remarks	
LAB USE ONLY		SAMPLE DESCRIPTION		Type					
Lab ID	Sample ID	Date	Time	#					
	B7-7B-0.5	10/15/12	720	1	Tube	S _{0.1}		X	
	B7-7B-1.5		725					X	
	B7-7B-2.5		730					X	
	B7-4B-0.5		736					X	
	B7-4B-1.5		738					X	
	B7-4B-2.5		740					X	
	B7-6A-0.5		746					X	
	B7-6A-1.5		748					X	
	B7-6A-2.5		750					X	
	B7-3A-0.5		752					X	

Collected By:	Date 10/15/12	Time 1230	Relinquished By:	Date 10/15/12	Time 1230	TAT
						Normal <input checked="" type="checkbox"/> Rush <input type="checkbox"/>
Relinquished By:			Received For Laboratory			
Received By:			Condition of Sample:			

COC# N^o 54767 GLOBAL ID _____ E REPORT: ☒ PDF ☐ EDF ☐ EDD ASL JOB# 55022

E REPORT: ☒ PDF ☐ EDF ☐ EDD ASL JOB# 55022

☒ PDF

EDF

☐ FDD

55022

CHAIN OF CUSTODY RECORD									
Company: Alta Environmental				Report To:		ANALYSIS REQUESTED			
Address: 3777 Long Beach Blvd				Address:					
LB, CA 90807				Invoice To:					
Telephone: 562-495-5777				Address:					
Special Instruction:				P.O.#:					
E-mail:				Matrix		Remarks			
Project ID: LAP-12-12800				Preservation		New LO			
Project Manager: Jon Barkman				Container(s)					
SAMPLE DESCRIPTION				Time		Date		Time	
LAB USE ONLY				#		Type		Time	
Lab ID				Sample ID		Date		Time	
1	289428	B7-3A-1.5	10/15/12	754	1	Tube			
2	289429	B7-3A-2.5		756					
		B7-1A-0.5		758					
		B7-1A-0.5 Dup		759					
		B7-1A-1.5		800					
		B7-1A-2.5		802					
		B7-7C-0.5		805					
		B7-7C-1.5		807					
		B7-7C-2.5		809					
		B7-6C-0.5		820					
Collected By: [Signature]				Date 10/15/12		Time 230		Relinquished By: [Signature]	
Relinquished By: [Signature]				Date 10/17/12		Time 12:30		TAT Normal <input checked="" type="checkbox"/> Rush <input type="checkbox"/>	
Received By: [Signature]				Date		Time		Condition of Sample:	



COC# N^o 54765 GLOBAL ID _____ E REPORT: ☒ PDF ☐ EDF ☐ EDD ASL JOB# 55022

Company: Alta Environmental										Report To:										ANALYSIS REQUESTED																																																																															
Address: 3777 Long Beach Blvd LB, CA 90807										Project Name: SPHS										Address:																																																																															
Telephone: 562-495-5777										Site Address:										Invoice To:																																																																															
Special Instruction:										Project ID: LAPW-12-12600										Address:																																																																															
E-mail:										Project Manager: Jan Barkman										P.O.#:																																																																															
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COC# N^o 47759 GLOBAL ID _____ EREPORT: ☒ PDF ☐ EDF ☐ EDD ASL JOB# 55022

Company: <i>ALL Engrs.</i>	Report To:	ANALYSIS REQUESTED
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552-495-5777

[illegible]

LAPW-12-12600

E-mail:	Project	P.O.#.

[illegible]

LAB USE ONLY		SAMPLE DESCRIPTION		Container(s)	

[illegible][illegible][illegible][illegible]

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B2/R-1, 103 X

12/13

B7-1 R-25
1055

[illegible]

B7-7A-0.5

[illegible]

Collected By:	Relinquished By:	TAT
Date	Date	Time
Time		Time

Received	Date	Time	Normal
			<input checked="" type="checkbox"/>

Acquired by _____
Date _____
Time _____
For Laboratory _____
Date _____
Time _____

Received By:	Date	Time	Condition of Sample:	<input type="checkbox"/> Rush

Received by:	Date	Time	Continuation of Sample: /

White - Report.	Yellow - Laboratory.	Pink - Client
-----------------	----------------------	---------------



AMERICAN SCIENTIFIC LABORATORIES, LLC

Environmental Testing Services

2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

ANALYTICAL RESULTS

Ordered By**Site**

ALTA Environmental
3777 Long Beach Blvd. Annex B1
Long Beach, CA 90807-

11133 O'Melvery Ave.
San Fernando, CA

Telephone: (562)495-5777

Attn: Jonathan Barkman

Page: 2

Project ID: LAPW-12-17736

Project Name: SFHS

ASL Job Number	Submitted	Client
55178	10/15/2012	ALTAEN

Method: 6010B, Lead (ICP)

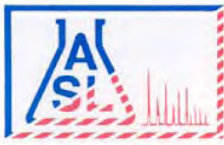
QC Batch No: 103012-3

Our Lab I.D.		290073	290074			
Client Sample I.D.		B7-4C-0.5	B7-7C-0.5			
Date Sampled		10/15/2012	10/15/2012			
Date Prepared		10/30/2012	10/30/2012			
Preparation Method						
Date Analyzed		10/30/2012	10/30/2012			
Matrix		Soil	Soil			
Units		mg/Kg	mg/Kg			
Dilution Factor		1	1			
Analytes	PQL	Results	Results			
ICP Metals						
Lead	0.250	127	88.6			

QUALITY CONTROL REPORT

QC Batch No: 103012-3

Analytes	LCS % REC	LCS/LCSD % Limit								
ICP Metals										
Lead	95	80-120								



AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

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Ordered By

ALTA Environmental
3777 Long Beach Blvd. Annex B1
Long Beach, CA 90807-

Number of Pages 2

Date Received 10/15/2012

Date Reported 11/05/2012

Telephone (562)495-5777
Attn Jonathan Barkman

Job Number	Ordered	Client
55210	11/02/2012	ALTAEN

Project ID: LAPW-12-17736
Project Name: SFHS
Site: 11133 O'Melvery Ave.
San Fernando, CA

Enclosed are the results of analyses on 2 samples analyzed as specified on attached chain of custody.

Wendy Lu
Organics Supervisor

American Scientific Laboratories, LLC (ASL) accepts sample materials from clients for analysis with the assumption that all of the information provided to ASL verbally or in writing by our clients (and/or their agents), regarding samples being submitted to ASL, is complete and accurate. ASL accepts all samples subject to the following conditions:

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- 2) ASL is not responsible for any consequences resulting from any inaccuracies, omissions, or misrepresentations contained in client-provided information regarding samples submitted to the laboratory.

From: Jonathan Barkman [mailto:jonathan.barkman@altaenviron.com]
Sent: Thursday, November 01, 2012 5:47 PM
To: Alen Hosepian
Cc: Janet Chin

Additional Request

24Hr TAT

New JOB # 55210

Requested Date : 11/2/12

Report Due Date : 11/5/12

Please run the following archived samples from ASL Job 55022 for **lead by 6010B on 24-hr TAT:**

<u>Sample ID</u>	<u>Sample Date</u>	<u>Matrix</u>	<u>New Lab ID</u>
B7-3C-0.5	10/15/12	Soil	290238
B7-6C-0.5	10/15/12	Soil	290239

Regards,

JONATHAN BARKMAN
PROJECT MANAGER/SENIOR I



3777 Long Beach Blvd. Annex Building, Long Beach, CA 90807
o. 562.495.5777 c. 310.920.8404 f. 562.495.5877
jonathan.barkman@altaenviron.com | www.altaenviron.com



AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

2520 N. San Fernando Road, LA, CA 90065 Tel: (323) 223-9700 • Fax: (323) 223-9500

Additional Request (11/21/12)
24m Rush, Due: 11/5/12 Page 1 of 7
NEW JOB# 55310

COC# N^o 47751 GLOBAL ID

REPORT: ☒ PDF ☐ EDF ☐ EDD ASL JOB# 55022

CHAIN OF CUSTODY RECORD									
ANALYSIS REQUESTED									
Report To:									
Address:									
Invoice To:									
Address:									
P.O.#:									
Project									
Project Manager:									
Container(s)									
SAMPLE DESCRIPTION									
Date									
Time									
#									
Type									
Matrix									
Preservation									
Remarks									
I	LAB USE ONLY	Sample ID	Date	Time	#	Type	Matrix	Preservation	Remarks
T		B7-7B-0.5	10/15/12	720	1	Tube	Seal		
E		B7-7B-1.5		725					
M		B7-7B-2.5		730					
		B7-4B-0.5		736					
		B7-4B-1.5		738					
		B7-4B-2.5		740					
		B7-6A-0.5		746					
		B7-6A-1.5		748					
		B7-6A-2.5		750					
		B7-3A-0.5		752					

Collected By:	Date	Time	Relinquished By:	Date	Time	TAT
Mad	10/15/12	1230	APL	10/15/12	Time 12:30	Normal <input checked="" type="checkbox"/> Rush <input type="checkbox"/>
Relinquished By:	Date	Time	Received For Laboratory	Date	Time	
Received By:	Date	Time	Condition of Sample:			



AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

2520 N. San Fernando Road, LA, CA 90065 Tel: (323) 223-9700 • Fax: (323) 223-9500

Page 3 of 7

COC# N^o **54768** GLOBAL ID E REPORT: ☒ PDF ☐ EDF ☐ EDD ASL JOB# 55022

Company: <u>Alta Environmental</u>		Project Name: <u>SFHS</u>		Report To:		ANALYSIS REQUESTED																			
Address: <u>3777 LB Blvd</u>		Site Address:		Address:		Invoice To:		Address:		P.O.#:		6010 B-D6 Archive													
Telephone: <u>582-495-5777</u>		Project ID: <u>LAPW-12-12600</u>		Project Manager: <u>San Barkmen</u>		Matrix		Preservation		Remarks															
Special Instruction:		SAMPLE DESCRIPTION		Container(s)		Date		Time		#		Type													
E-mail:		Sample ID		Date		Time		#		Type															
		B7-6C-1.5		10/15/12		822		1		Tube															
		B7-6C-2.5				824																			
		B7-5C-0.5				830																			
		B7-5C-1.5				832																			
		B7-5C-2.5				834																			
		B7-2C-0.5				838																			
		B7-2C-1.5				840																			
		B7-2C-2.5				842																			
		B7-4C-0.5				900																			
		B7-4C-1.5				902																			
3 289430																									
Collected By:		Date		Time		Relinquished By:		Date		Time		TAT													
Relinquished By:		Date		Time		Received For Laboratory		Date		Time		Normal													
Received By:		Date		Time		Condition of Sample:		Date		Time		Rush													



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Environmental Testing Services

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Page 4 of 7

COC# N^o 54765 GLOBAL ID _____ E REPORT: ☒ PDF ☐ EDF ☐ EDD ASL JOB# 55022

Company: <u>Alta Environmental</u>				Report To:		ANALYSIS REQUESTED															
Address: <u>3777 Long Beach Blvd</u>				Project Name: <u>SPHLS</u>		Address:															
Telephone: <u>562-495-5777</u>				Site Address:		Invoice To:															
Special Instruction:				Project ID: <u>LAPW-12-12600</u>		Address:															
E-mail:				Project Manager: <u>Don Barkman</u>		P.O.#:															
SAMPLE DESCRIPTION				Container(s)		Matrix		Preservation		Remarks											
LAB USE ONLY		Sample ID		Date		Time		#		Type											
240238		B7-4C-2.5		10/15/12		904		1		Tube		X									
		B7-3C-0.5				906						X									
		B7-3C-1.5				908						X									
		B7-3C-1.5				910						X									
4289431		B7-1C-0.5				915						X									
5289432		B7-1C-0.5 Dup				916						X									
		B7-1C-1.5				918						X									
		B7-1C-2.5				920						X									
		B7-6B-0.5				922						X									
		B7-6B-1.5				924						X									

Collected By:	Date	Time	Relinquished By:	Date	Time	TAT
Relinquished By:			Received For Laboratory	Date	Time	<input type="checkbox"/> Normal
Received By:			Condition of Sample:	Date	Time	<input type="checkbox"/> Rush



AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

2520 N. San Fernando Road, LA, CA 90065 Tel: (323) 223-9700 • Fax: (323) 223-9500

Page 6 of 2

COC# N^o 47759 GLOBAL ID _____ E REPORT: ☒ PDF ☐ EDF ☐ EDD ASL JOB# 55022

LAB USE ONLY				SAMPLE DESCRIPTION				Report To:				ANALYSIS REQUESTED				
I	T	E	M	Lab ID	Sample ID	Date	Time	#	Type	Matrix	Preservation	Address:	Invoice To:	Address:	P.O.#:	Remarks
					B7-2B-1.5	10/15/12	1017	1	Tube	Soil		6010A-P6				
					B7-2B-2.5		1019									
					B7-5B-0.5		1026									
					B7-5B-1.5		1028									
					B7-5B-2.5		1030									
8				289435	B7-1B-0.5		1050									
					B7-1B-0.5 Dup		1051									
					B7-1B-1.5		1053									
					B7-1B-2.5		1055									
					B7-7A-0.5		1101									
Collected By:										Relinquished By: <i>[Signature]</i>		Date: 10/15/12		Time: 12:30		TAT
Relinquished By:										Received For Laboratory		Date: 10/15/12		Time: 12:30		<input checked="" type="checkbox"/> Normal <input type="checkbox"/> Rush
Received By:										Condition of Sample:						



AMERICAN SCIENTIFIC LABORATORIES, LLC

Environmental Testing Services

2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

ANALYTICAL RESULTS

Ordered By**Site**

ALTA Environmental
3777 Long Beach Blvd. Annex B1
Long Beach, CA 90807-

11133 O'Melvery Ave.
San Fernando, CA

Telephone: (562)495-5777

Attn: Jonathan Barkman

Page: 2

Project ID: LAPW-12-17736

Project Name: SFHS

ASL Job Number	Submitted	Client
55210	10/15/2012	ALTAEN

Method: 6010B, Lead (ICP)

QC Batch No: 110212-1

Our Lab I.D.		290238	290239			
Client Sample I.D.		B7-3C-0.5	B7-6C-0.5			
Date Sampled		10/15/2012	10/15/2012			
Date Prepared		11/02/2012	11/02/2012			
Preparation Method						
Date Analyzed		11/02/2012	11/02/2012			
Matrix		Soil	Soil			
Units		mg/Kg	mg/Kg			
Dilution Factor		1	1			
Analytes	PQL	Results	Results			
ICP Metals						
Lead	0.250	139	167			

QUALITY CONTROL REPORT

QC Batch No: 110212-1

Analytes	LCS % REC	LCS/LCSD % Limit								
ICP Metals										
Lead	98	80-120								



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Ordered By

ALTA Environmental
3777 Long Beach Blvd. Annex B1
Long Beach, CA 90807-

Number of Pages 2

Date Received 10/15/2012

Date Reported 11/09/2012

Telephone (562)495-5777

Attn Jon Barkman

Job Number	Ordered	Client
55280	11/08/2012	ALTAEN

Project ID: LAPW-12-17336

Project Name: SFHS

Site: 11133 O'Melveny Ave.
San Fernando, CA

Enclosed are the results of analyses on 2 samples analyzed as specified on attached chain of custody.

Wendy Lu
Organics Supervisor

American Scientific Laboratories, LLC (ASL) accepts sample materials from clients for analysis with the assumption that all of the information provided to ASL verbally or in writing by our clients (and/or their agents), regarding samples being submitted to ASL, is complete and accurate. ASL accepts all samples subject to the following conditions:

- 1) ASL is not responsible for verifying any client-provided information regarding any samples submitted to the laboratory.
- 2) ASL is not responsible for any consequences resulting from any inaccuracies, omissions, or misrepresentations contained in client-provided information regarding samples submitted to the laboratory.

Additional Request

24Hr TAT

Net # JOB # 55280

Requested Date : 11/8/12

Report Due Date : 11/9/12

Please run the following archived samples from ASL Job # 55022 on **24hr-TAT for Pb by 6010B:**

<u>Sample ID</u>	<u>Date</u>	<u>Matrix</u>	<u>Lab ID</u>
B7-3C-1.5	10/15/12	Soil	290485
B7-6C-1.5	10/15/12	Soil	290486

Regards,

JONATHAN BARKMAN
PROJECT MANAGER/SENIOR I



3777 Long Beach Blvd. Annex Building, Long Beach, CA 90807
o. 562.495.5777 c. 310.920.8404 f. 562.495.5877
jonathan.barkman@altaenviron.com | www.altaenviron.com



AMERICAN SCIENTIFIC LABORATORIES, LLC

Environmental Testing Services

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Page 2 of 7

NEW JOB# 55780

COC# N^o 54767 GLOBAL ID _____ E REPORT: ☒ PDF ☐ EDF ☐ EDD ☐ ASL JOB# 55022

C H A I N O F C U S T O D Y R E C O R D											
LAB USE ONLY		SAMPLE DESCRIPTION				Container(s)		Report To:		ANALYSIS REQUESTED	
Lab ID	Sample ID	Date	Time	#	Type	Matrix	Preservation	Address:	Invoice To:	Address:	Remarks
1 289428	B7-3A-1.5	10/15/12	754	1	Tube	Soil		6010R-P6			
2 289429	B7-3A-2.5		756	1							
	B7-1A-0.5		758	1							
	B7-1A-0.5 Dup		759	1							
	B7-1A-1.5		800	1							
	B7-1A-2.5		802	1							
	B7-7C-0.5		805	1							
	B7-7C-1.5		807	1							
	B7-7C-2.5		809	1							
	B7-6C-0.5		820	1							
Collected By: <i>[Signature]</i>	Date 10/15/12	Time 1230	Relinquished By: <i>[Signature]</i>		Date 10/15/12	Time 12:30	TAT		<input checked="" type="checkbox"/> Normal <input type="checkbox"/> Rush		
Relinquished By:	Date	Time	Received For Laboratory		Date 10/15/12	Time 12:30	Condition of Sample:				
Received By:	Date	Time	Condition of Sample:								



AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

2520 N. San Fernando Road, LA, CA 90065 Tel: (323) 223-9700 • Fax: (323) 223-9500

Page 3 of 7

NEW JOB # 55080

COC# N^o 54768 GLOBAL ID 55022 E REPORT: ☒ PDF ☐ EDF ☐ EDD ASL JOB# 55022

CHAIN OF CUSTODY RECORD									
ANALYSIS REQUESTED									
Company: <u>Alta Environmental</u>									
Address: <u>3777 LB Blvd</u>									
Site Address: <u>LB, CA 90807</u>									
Telephone: <u>582-495-5777</u>									
Fax: <u>582-495-5777</u>									
Special Instruction: <u>Project ID: LAPW-12-12600</u>									
E-mail: <u>Project Manager: Jan Barkman</u>									
P.O.#: <u>6010 B-P6</u>									
Report To: <u>Archive</u>									
Matrix: <u>Soil</u>									
Preservation: <u>✓</u>									
Remarks: <u>✓</u>									
Date: <u>10/15/12</u>									
Time: <u>12:30</u>									
Relinquished By: <u>[Signature]</u>									
Received For Laboratory: <u>[Signature]</u>									
Condition of Sample: <u>✓</u>									
TAT: <input checked="" type="checkbox"/> Normal <input type="checkbox"/> Rush									

COC# N^o 54765 GLOBAL ID _____ EREPORT: ☒ PDF ☐ EDF ☐ EDD ASL JOB# 55022

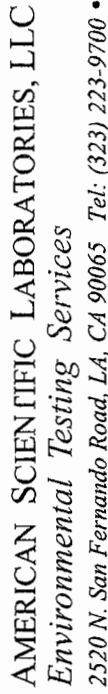
Company: Alta Environmental						Report To:						
Address: 3777 Long Beach Blvd LB, CA 90807						Project Name: SP-15						
Telephone: 562-495-5777 Fax: 562-495-5777						Site Address:						
Special Instruction:						Project ID: LAPW-12-12600						
E-mail:						Project Manager: Jan Barkman						
LAB USE ONLY		SAMPLE DESCRIPTION				Container(s)						
T	E	M	Lab ID	Sample ID	Date	Time	#	Type	Matrix	Preservation	Remarks	
				B7-4C-2.5	10/15/12	904	1	Tube	Sol	X		
				B7-3C-0.5		906				X		
			290485	B7-3C-1.5		908				X		
				B7-3C-1.5		910				X		
			4289431	B7-1C-0.5		915				X		
			5289432	B7-1C-0.5 Dup		916				X		
				B7-1C-1.5		918				X		
				B7-1C-2.5		920				X		
				B7-6B-0.5		922				X		
				B7-6B-1.5		924				X		

COC# **Nº** **54766** **GLOBAL ID** **_____** **E REPORT:** ☐ **PDF** ☐ **EDF** ☐ **EDD** **ASL JOB#** **55022**

CHAIN OF CUSTODY RECORD

Company: Alta Environmental										Report To:										ANALYSIS REQUESTED																																																	
Address: 3777 LB Blvd LB, CA 90807					Project Name: SPHS					Address:					Invoice To:																																																						
Telephone: 562-443-5777					Site Address:					Address:																																																											
Special Instruction:					Project ID: LOPW-12-18600					P.O.#:																																																											
E-mail:					Project Manager: Jon Barkman																																																																
LAB USE ONLY					SAMPLE DESCRIPTION										Matrix					Preservation					Remarks																																												
I	T	E	M	Lab ID	Sample ID	Date	Time	#	Type																																																												
					B7-6B-2.5	10/15/12	908	1	Tube																																																												
					B7-8B-0.5		930																																																														
					B7-8B-1.5		932																																																														
					B7-8B-2.5		934																																																														
				289433	B7-3B-0.5		1007																																																														
					B7-3B-0.5 Dup		1008																																																														
					B7-3B-1.5		1010																																																														
					B7-3B-2.5		1012																																																														
				289434	B7-2B-0.5		1014																																																														
					B7-2B-0.5 Dup		1015																																																														
Collected By:										Date										Time										Relinquished By: [Signature]										Date 10/15/12										Time 9:30										TAT									
Relinquished By:										Date										Time										Received For Laboratory [Signature]										Date 10/17/12										Time 12:30										Normal									
Received By:										Date										Time										Condition of Sample:																														Rush									

White - Renort	Yellow - Laboratory	Pink - Client
----------------	---------------------	---------------



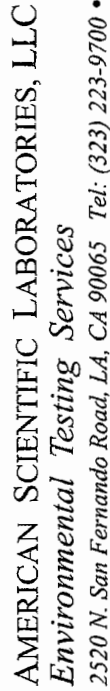
2520 N. San Fernando Road, LA, CA 90065 Tel: (323) 223-9700 • Fax: (323) 223-9500

COC# **Nº** 47759 GLOBAL ID _____ E REPORT: ☒ PDF ☐ EDF ☐ EDD ☐ ASL JOB# 55022

CHAIRMAN OF CUSTODY RECORD

Company: Alta Environmental						Report To:								ANALYSIS REQUESTED																					
Address: 3777 LB Blvd LB CA 94807						Project Name: SPALS Site Address:						Address:																							
Telephone: 562-495-5777 Fax:						Project ID: LAPW-12-1260D						Invoice To:																							
Special Instruction:						Project Manager: Jon Barkman						Address:																							
E-mail:						P.O.#:																													
LAB USE ONLY		SAMPLE DESCRIPTION								Matrix		Preservation		Remarks																					
I	T	Lab ID	Sample ID	Date	Time	#	Type																												
			B7-2B-1 ^{1.5} -0.5	10/15/12	1017	1	Tube		Son	X																									
			B7-2B-2.5		1019					X																									
			B7-5B-0.5		1026					X																									
			B7-5B-1.5		1028					X																									
			B7-5B-2.5		1030					X																									
8		289435	B7-1B-0.5		1050					X																									
			B7-1B-0.5 Dup		1051					X																									
			B7-1B-1.5		1055					X																									
			B7-1B-2.5		1055					X																									
			B7-7A-0.5		1101					X																									
Collected By:		Date								Time		Relinquished By:		Date		Time		TAT																	
Relinquished By:		Date								Time		Received For Laboratory		Date		Time		<input checked="" type="checkbox"/> Normal <input type="checkbox"/> Rush																	
Received By:		Date								Time		Condition of Sample:																							

White - Report. Yellow - Laboratory. Pink - Client



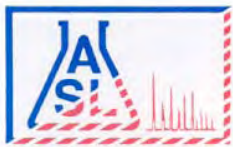
NEW JOB - 5580

2520 N. San Fernando Road, LA, CA 90065 Tel: (323) 223-9700 • Fax: (323) 223-9500

COC# N^o 54769 GLOBAL ID _____ E REPORT: ☒ PDF ☐ EDF ☐ EDD ASL JOB# 55022

C H A I N O F C U S T O D Y R E C O R D

Company: Alta Environmental										Report To:										ANALYSIS REQUESTED																																																																															
Address: 3777 LB Blvd										Project Name: SPALS										Address:																																																																															
Telephone: 562-495-5777										Site Address:										Invoice To:																																																																															
Special Instruction:										Project ID: LAPW-12-12500										Address:																																																																															
E-mail:										Project Manager: Jon Barkman										P.O.#:																																																																															
LAB USE ONLY										SAMPLE DESCRIPTION										Matrix										Preservation										Remarks																																																											
Lab ID										Sample ID										Date										Time										#										Type										Container(s)																																							
										B7-7A-1.5										10/5/12										1103										1										Tub										X																																							
										B7-7A-2.5																				1105																																																																					
										B7-4A-0.5																				1106																																																																					
										B7-4A-1.5																				1108																																																																					
										B7-4A-2.5																				1110																																																																					
9289436										B7-2A-0.5																				1113																																																																					
										B7-2A-0.5 Dup																				1114																																																																					
										B7-2A-1.5																				1116																																																																					
										B7-2A-2.5																				1118																																																																					
Collected By:										Date										Time										Relinquished By:										Date										Time										TAT																																							
Relinquished By:										Date										Time										Received For Laboratory										Date										Time										Normal																																							
Received By:										Date										Time										Condition of Sample:										Date										Time										Rush																																							



AMERICAN SCIENTIFIC LABORATORIES, LLC

Environmental Testing Services

2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

ANALYTICAL RESULTS

Ordered By**Site**

ALTA Environmental
3777 Long Beach Blvd. Annex B1
Long Beach, CA 90807-

11133 O'Melveny Ave.
San Fernando, CA

Telephone: (562)495-5777

Attn: Jon Barkman

Page: 2

Project ID: LAPW-12-17336

Project Name: SFHS

ASL Job Number	Submitted	Client
55280	10/15/2012	ALTAEN

Method: 6010B, Lead (ICP)

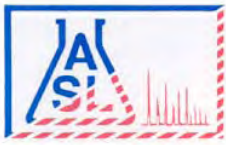
QC Batch No: 110812-3

Our Lab I.D.		290485	290486			
Client Sample I.D.		B7-3C-1.5	B7-6C-1.5			
Date Sampled		10/15/2012	10/15/2012			
Date Prepared		11/08/2012	11/08/2012			
Preparation Method						
Date Analyzed		11/08/2012	11/08/2012			
Matrix		Soil	Soil			
Units		mg/Kg	mg/Kg			
Dilution Factor		1	1			
Analytes	PQL	Results	Results			
ICP Metals						
Lead	0.250	9.53	65.2			

QUALITY CONTROL REPORT

QC Batch No: 110812-3

Analytes	LCS % REC	LCS/LCSD % Limit								
ICP Metals										
Lead	96	80-120								



AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

Ordered By

ALTA Environmental
3777 Long Beach Blvd. Annex B1
Long Beach, CA 90807-

Number of Pages 3

Date Received 09/17/2012

Date Reported 11/14/2012

Telephone (562)495-5777

Attn Jon Barkman

Job Number	Ordered	Client
55287	11/08/2012	ALTAEN

Project ID: LAPW-12-17736
Project Name: SF Teen Health
Site: 11133 O'Melveny Ave.
San Fernando, CA

Enclosed are the results of analyses on 3 samples analyzed as specified on attached chain of custody.

Wendy Lu
Organics Supervisor

American Scientific Laboratories, LLC (ASL) accepts sample materials from clients for analysis with the assumption that all of the information provided to ASL verbally or in writing by our clients (and/or their agents), regarding samples being submitted to ASL, is complete and accurate. ASL accepts all samples subject to the following conditions:

- 1) ASL is not responsible for verifying any client-provided information regarding any samples submitted to the laboratory.
- 2) ASL is not responsible for any consequences resulting from any inaccuracies, omissions, or misrepresentations contained in client-provided information regarding samples submitted to the laboratory.

Additional Request

**STLC(2 Days TAT)
TCLP(3Days TAT)**

New Job # 55287

Requested Date : 11/08/12

Report Due Date : 11/14/12

Please analyze the following for Pb STLC on a 48-hr TAT and Pb TCLP on a 72hr-TAT:

Job# 54768; B7-A-0.5 and B7-B-0.5 Dup

Job# 55022; B7-5C-0.5

Sample I.D.	Sample Date	Matrix	New I.D.
B7-A-0.5	9/17/12	Soil	290501
B7-B-0.5Dup	9/17/12	Soil	290502
B7-5C-0.5	10/15/12	Soil	290503

Also, ASL job #55022, please use PO# LAPW-12-17736

Thank you!

Regards,

JONATHAN BARKMAN
PROJECT MANAGER/SENIOR I



3777 Long Beach Blvd, Annex Building, Long Beach, CA 90807
o. 562.495.5777 c. 310.920.8404 f. 562.495.5877



AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

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Page 2 of 5
New Job: 55287

COC# N° **58796** GLOBAL ID

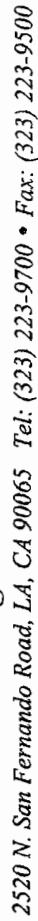
E REPORT: ☐ PDF ☐ EDF ☐ EDD ASL JOB# **54768**

LAB USE ONLY				SAMPLE DESCRIPTION			Container(s)		Report To:		ANALYSIS REQUESTED					Remarks
LAB ID	Sample ID	Date	Time	#	Type	Matrix	Preservation	Address:	Invoice To:	Address:	60105 Argem. 23	60105 PB	57105 TCE-PB	New ID		
5 288367	B6-B-2.0	9/17/12	1014	1	Tube	Soil										
	-2.5		1015													
	-3.0		1016													
6 288368	B6-C-0.5		1020													
	1.0		1021													
	1.5		1022													
	2.0		1023													
7 288369	2.5		1024													
	3.0		1025													
8 288370	B7-A-0.5		1045											290501		

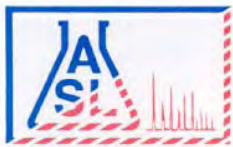
Collected By:	Date	Time	Relinquished By:	Date	Time	TAT
<i>[Signature]</i>	9/17/12	1345	<i>[Signature]</i>	9/17/12	Time 1.45	<input type="checkbox"/> Normal <input type="checkbox"/> Rush

Relinquished By:	Date	Time	Received By:	Date	Time

Received By:	Date	Time	Condition of Sample:



CHAIN OF CUSTODY RECORD



AMERICAN SCIENTIFIC LABORATORIES, LLC

Environmental Testing Services

2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

ANALYTICAL RESULTS

Ordered By**Site**

ALTA Environmental
3777 Long Beach Blvd. Annex B1
Long Beach, CA 90807-

11133 O'Melveny Ave.
San Fernando, CA

Telephone: (562)495-5777

Attn: Jon Barkman

Page: 2

Project ID: LAPW-12-17736

Project Name: SF Teen Health

ASL Job Number	Submitted	Client
55287	09/17/2012	ALTAEN

Method: 6010B, STLC Lead

QC Batch No: 110912-2

Our Lab I.D.		290501	290502	290503		
Client Sample I.D.		B7-A-0.5	B7-B-0.5 Dup	B7-5C-0.5		
Date Sampled		09/17/2012	09/17/2012	10/15/2012		
Date Prepared		11/09/2012	11/09/2012	11/09/2012		
Preparation Method						
Date Analyzed		11/12/2012	11/12/2012	11/12/2012		
Matrix		Soil	Soil	Soil		
Units		mg/L	mg/L	mg/L		
Dilution Factor		1	1	1		
Analytes	PQL	Results	Results	Results		
ICP Metals						
Lead (Soluble)	0.500	15.7	32.6	9.65		

QUALITY CONTROL REPORT

QC Batch No: 110912-2

Analytes	LCS % REC	LCS/LCSD % Limit								
ICP Metals										
Lead (Soluble)	97	80-120								



AMERICAN SCIENTIFIC LABORATORIES, LLC

Environmental Testing Services

2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

ANALYTICAL RESULTS

Ordered By**Site**

ALTA Environmental
3777 Long Beach Blvd. Annex B1
Long Beach, CA 90807-

11133 O'Melveny Ave.
San Fernando, CA

Telephone: (562)495-5777

Attn: Jon Barkman

Page: 3

Project ID: LAPW-12-17736

Project Name: SF Teen Health

ASL Job Number	Submitted	Client
55287	09/17/2012	ALTAEN

Method: 6010B, TCLP LEAD

QC Batch No: 110912-2

Our Lab I.D.		290501	290502	290503		
Client Sample I.D.		B7-A-0.5	B7-B-0.5 Dup	B7-5C-0.5		
Date Sampled		09/17/2012	09/17/2012	10/15/2012		
Date Prepared		11/09/2012	11/09/2012	11/09/2012		
Preparation Method						
Date Analyzed		11/12/2012	11/12/2012	11/12/2012		
Matrix		Soil	Soil	Soil		
Units		mg/L	mg/L	mg/L		
Dilution Factor		1	1	1		
Analytes	PQL	Results	Results	Results		
ICP Metals						
Lead (Soluble)	0.500	ND	ND	ND		

QUALITY CONTROL REPORT

QC Batch No: 110912-2

Analytes	LCS % REC	LCS/LCSD % Limit								
ICP Metals										
Lead (Soluble)	97	80-120								

Appendix G

95% Upper Confidence Limit Calculations

	General UCL Statistics for Full Data Sets			
User Selected Options				
From File	WorkSheet.wst			
Full Precision	OFF			
Confidence Coefficient	95%			
Number of Bootstrap Operations	2000			
Lead				
General Statistics				
Number of Valid Observations		18	Number of Distinct Observations	18
Raw Statistics		Log-transformed Statistics		
	Minimum	4.02	Minimum of Log Data	1.391
	Maximum	167	Maximum of Log Data	5.118
	Mean	45.59	Mean of log Data	3.253
	Geometric Mean	25.87	SD of log Data	1.169
	Median	28.1		
	SD	47.75		
	Std. Error of Mean	11.26		
	Coefficient of Variation	1.047		
	Skewness	1.457		
Relevant UCL Statistics				
Normal Distribution Test		Lognormal Distribution Test		
	Shapiro Wilk Test Statistic	0.813	Shapiro Wilk Test Statistic	0.952
	Shapiro Wilk Critical Value	0.897	Shapiro Wilk Critical Value	0.897
Data not Normal at 5% Significance Level		Data appear Lognormal at 5% Significance Level		

Assuming Normal Distribution		Assuming Lognormal Distribution	
95% Student's-t UCL	65.17	95% H-UCL	116.3
95% UCLs (Adjusted for Skewness)		95% Chebyshev (MVUE) UCL	114.2
95% Adjusted-CLT UCL (Chen-1995)	68.23	97.5% Chebyshev (MVUE) UCL	142.7
95% Modified-t UCL (Johnson-1978)	65.81	99% Chebyshev (MVUE) UCL	198.7
Gamma Distribution Test		Data Distribution	
k star (bias corrected)	0.884	Data appear Gamma Distributed at 5% Significance Level	
Theta Star	51.54		
MLE of Mean	45.59		
MLE of Standard Deviation	48.48		
nu star	31.84		
Approximate Chi Square Value (.05)	19.95	Nonparametric Statistics	
Adjusted Level of Significance	0.0357	95% CLT UCL	64.1
Adjusted Chi Square Value	19.04	95% Jackknife UCL	65.17
		95% Standard Bootstrap UCL	63.78
Anderson-Darling Test Statistic	0.331	95% Bootstrap-t UCL	75.24
Anderson-Darling 5% Critical Value	0.766	95% Hall's Bootstrap UCL	72.51
Kolmogorov-Smirnov Test Statistic	0.128	95% Percentile Bootstrap UCL	64.53
Kolmogorov-Smirnov 5% Critical Value	0.209	95% BCA Bootstrap UCL	67.05
Data appear Gamma Distributed at 5% Significance Level		95% Chebyshev(Mean, Sd) UCL	94.65
		97.5% Chebyshev(Mean, Sd) UCL	115.9
Assuming Gamma Distribution		99% Chebyshev(Mean, Sd) UCL	157.6
95% Approximate Gamma UCL (Use when n >= 40)	72.78		
95% Adjusted Gamma UCL (Use when n < 40)	76.22		
Potential UCL to Use		Use 95% Approximate Gamma UCL	72.78
Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.			
These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002)			
and Singh and Singh (2003). For additional insight, the user may want to consult a statistician.			